

Dear Mr. Forren,

We write on behalf of the undersigned groups, representing millions of

Americans, concerning the Draft Programmatic Environmental Impact Statement on Mountain Top Mining/Valley Fill (MTM/VF) in the Appalachian

region of the eastern United States. We are extremely troubled over the

harmful impacts that mountaintop/valley fill mining has had and could continue to have on a wide array of aquatic and terrestrial organisms. In addition to the direct effects of habitat loss and degradation at mine sites and areas immediately adjacent, the drastic alteration of large landforms over such an extensive region could very well have negative and long-lasting effects on ecosystem processes at considerable.

distances from the areas more directly disturbed. These concerns are not

adequately addressed in the draft EIS. However, despite our serious concerns regarding the potential for disrupting ecological processes and

biodiversity in general, these comments are specifically directed to issues regarding migratory birds. The impacts to forest-associated bird

species of conservation concern also are not adequately or properly addressed in this draft EIS.

 The DEIS Ignores the High Priority Assigned through Congress by Wildlife Agencies to the Conservation of Mature Forest Bird Species.

The figures from the draft EIS on cumulative impacts of mining activity

in the study area suggest a massive and permanent impact on the entire

suite of Partners in Flight priority mature forest birds within the EIS study area (e.g., Cerulean Warbler, Louisiana Waterthrush, Wormeating

Warbler, Kentucky Warbler, Wood Thrush, Yellow-throated Vireo, Acadian

Flycatcher) due to a projected loss of over 380,000 acres (149,822

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hectares) of high-quality forest to mining in the next ten years. This is in addition to that same amount having been lost in the previous ten

years. All of these bird species are also classified as Birds of Conservation Concern by the U. S. Fish and Wildlife Service (USFWS 2002)

within the Appalachian Bird Conservation Region, which overlaps the area

considered in the draft EIS. This list is mandated by Congress under 1988 amendments to the Fish and Wildlife Conservation Act and denotes

species that without additional conservation actions are likely to become candidates for listing under the Endangered Species Act. We consider this level of habitat loss to constitute a significant negative impact for these high priority mature forest birds, and especially for the Cerulean Warbler, the forest species of highest concern in this area. We are struck by the failure of the draft EIS to address this extremely important and significant environmental impact.

While we don't have reliable estimates of the densities of most of these

priority species in the region, we do have them for Cerulean Warblers.

This is the forest-breeding bird species we are most concerned with because it has suffered drastic population declines over the last several decades and the core of its breeding range coincides very closely with the EIS study area (Figure 1). This species has been petitioned for listing under the Endangered Species Act and is also on

the USFWS' National List of Birds of Conservation Concern (USFWS 2002).

II. The DEIS Ignores Available Scientific Data Showing Higher Bird Densities and Higher Potential Losses from Mining Impacts.

Recent research by Drs. Weakland and Wood (2002) at West Virginia University found the average density of Cerulean Warblers territories in

intact forest near mined areas in West Virginia was 0.46 pairs/hectare (ha). Assuming each territory provides habitat for a pair of birds, this

equates to 0.92 individuals/ha. With the projected loss of over 149.822

ha to future mining in the next ten years, this will result in a loss of 137,836 Cerulean Warblers in the next decade. Dr. Charles Nicholson

(TVA 2002) reported a somewhat higher average density of 0.64 pairs of

Cerulean Warblers per ha at his study sites within the draft EIS study area in eastern Tennessee. If his density estimate is more representative of the density over the study area, then even more ceruleans would have been impacted in the last decade and the same

number would be impacted in the next. Either estimate represents an unacceptable loss.

Partners in Flight (PIF), a science-based initiative dedicated to the conservation of landbirds in the western hemisphere, estimates the global population of Cerulean Warblers, based on relative abundance estimates derived from 1990s Breeding Bird Survey data, to be roundly

560,000 individuals with 80% of the population breeding in the Appalachian region which encompasses the study area (Rich et al. 2004).

Applying similar methods, BBS survey data indicate that the average breeding density of Cerulean Warblers across the Northern Cumberland

Plateau physiographic area during the 1990s was 0.065 pairs/acre (Rich

et al. 2004. Appendix B, Rosenberg and Blancher in press). These numbers

indicate that roughly 9% of the world's ceruleans were lost as a result of mining permitted during the 1992 to 2002 period and another 9% will

be lost between 2003 and 2012 should the level of mining the draft EIS

projects in the next decade come to fruition. In addition, we fear that in a region where Cerulean Warblers presently occur in such high densities, the breeding habitat could already be saturated and the individuals displaced by mines wouldn't be able to find new areas of high-quality breeding habitat to colonize. If this is the case, the

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reproductive potential of those pairs also will be compromised and the ability of the population to recover will be reduced as a result. It is important to note that these estimates of Cerulean Warbler population loss substantially underestimate the actual impact of mountaintop mining on this species. By definition, mountaintop mining removes forest habitat on mountain and ridge tops. Cerulean Warblers prefer ridgetops within large blocks of mature forest (Weakland and

Wood
2002) In addition, Drs. Weakland and Wood (2002) found significantly reduced densities of breeding Cerulage Warblers in forest

reduced densities of breeding Cerulean Warblers in forest fragmented by

mining and in forest adjacent to mine edges. We find it disturbing and unacceptable that Dr. Weakland and Dr. Wood's research was not included

in the draft EIS document when we know that it was made available to

those who were involved in its development.

III. The DEIS Fails to Address Technology Changes that will Alter Projections of Future Forest Loss

We believe that the draft EIS projection that an additional 3.4% of forest will be lost between 2002 and 2012 may significantly underestimate the impact of mining on hardwood forests. Not only do these figures fail to include an estimate of the cumulative loss of cove forests from valley fill operations, they also do not take into consideration the anticipated increase in future demand for Appalachian

coal due to the planned construction of flue gas desulfurization units (scrubbers) at existing coal-fired generating plants in the study area (TVA 2002). For example, the draft EIS projects that Tennessee will issue permits causing the loss of 9,154 acres of forest in 2003 through

2012, when over 5,000 acres of surface mining permits have already been

approved between December 2002 and October 2003 (Siddell 2003).

IV. The DEIS Fails to Identify and Analyze Effective Mitigation Measures to Reduce Bird Losses

The only mitigation offered in the draft EIS for the destruction of large areas of biologically diverse hardwood forest habitat by mining operations is a suggestion that the denuded areas could be reforested

after operations cease. While recent research indicates that some forest

communities may be reestablished on reclaimed mine sites (Holl et al.

2001), the draft EIS concedes that initiatives to improve the establishment of forests on reclaimed mine sites have only recently begun and "that it would be premature to attempt to evaluate the success

of these efforts at this time". In addition, the draft EIS states that "as post-mined sites will likely lack the requirements of slope, aspect and soil moisture needed for cove-hardwood forest communities, it is unlikely that these particular communities can be re-established through

reclamation". It will take many decades before these experimental forests mature sufficiently to assess whether they will provide suitable breeding habitat for Cerulean Warblers or any other interior forest-breeding birds of concern. Even if reforestation was determined

to be the preferred mitigation for Cerulean Warbler habitat loss, the development of reforestation BMPs (Action 13) would be voluntary and a

state or federal legislative change (Action 14) could take years. The suggestion that reforestation is a panacea to mitigate the negative effects of mining on interior forest habitat within the foreseeable future is therefore wrong and misleading. Furthermore, we find it extremely inappropriate that the draft EIS suggests that a mining company could be offered an economic incentive, through the sale of carbon credits, for planting trees to replace the forest that they themselves destroyed during mining activities.

We also find it inappropriate to consider replacing forest habitat with grassland habitat for "rare" eastern grassland species even though these

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species have declined dramatically as a group in recent decades. Their

recovery and habitat restoration efforts should be targeted towards ecosystems and landscapes where they occurred historically, not on eastern mountaintops, where grassland habitat was rare, and currently

supports high quality forest habitats.

V. The DEIS Fails to Identify and Analyze Reasonable Alternatives to Avoid Bird Losses

We find the draft EIS' failure to provide an alternative proposal that would provide better regulation of mountain top mining to protect the environment unacceptable and inappropriate. We believe that taken together, these two major flaws are fatal and require the re-issuance of

the draft EIS. These fatal flaws mean the draft EIS fails to comply with NEPA. The draft EIS needs to be cured by an EIS that appropriately

addresses both the concerns over priority bird species mentioned herein

and that offers a solid environmentally sound alternative.

The U.S. Fish and Wildlife Service's September 2002 (USFWS 9/20/02) memo

clearly supports our conclusion that the draft EIS is fatally flawed. The FWS warned in the memo that publication of the draft EIS as written.

"will further damage the credibility of the agencies involved." That inter-agency memo cites the proposed actions offering "only meager environmental benefits" and criticizes the draft EIS because it did not consider any options that would actually limit the area mined and the streams buried by valley fills. "There is no difference between [the alternatives]," the Fish and Wildlife officials said. "The reader is left wondering what genuine actions, if any, the agencies are actually proposing." The draft EIS erroneously only offers alternatives that would streamline the permitting process for approval of new mountaintop-removal permits. The alternatives, including the preferred

alternative, offer no environmental protections and the lack of any such

environmentally sound options destroys the NEPA EIS process.

The FWS memo argued for "at least one alternative to restrict, or otherwise constrain, most valley fills to ephemeral stream reaches...As

we have stated repeatedly, it is the service's position that the three 'action' alternatives, as currently written, cannot be interpreted as ensuring any improved environmental protection ... let alone protection

that can be quantified or even estimated in advance."

VI. Because the DEIS Is Fatally Defective, It Should Be Revised and Reissued for Public Comment and Permit Issuance Should Cease.

We do not find that the three "action" alternatives offered would improve environmental protection in any measurable way. We propose that

a moratorium be placed on new mountaintop mining permits until a new

draft EIS is written to provide for the avoidance of key Cerulean Warbler habitat and significant environmental protection for the Louisiana Waterthrush, Worm-eating Warbler, Kentucky Warbler, Wood

Thrush, Yellow-throated Vireo, Acadian Flycatcher and other PIF priority

species and FWS Birds of Conservation Concern. This moratorium should

continue until a final EIS is adopted with an environmentally acceptable alternative.

We believe that NEPA requires such a moratorium as the environmental

impacts are so great and the federal government has failed to complete

an EIS as required, even after 5 years have passed since litigation

initially filed on this issue. Settlement of the litigation was to

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result in an EIS and better measures to protect the environment. The draft EIS clearly indicates that this is not occurring. Also, the Clean Water Act dictates individual permits should be required for such major

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actions and thus, the current use of nationwide permits is illegal.

We conclude that mining is a short-term benefit to local economies and

once the coal is extracted, the industry will leave the region. However,

if the scenic vistas and natural heritage of the area are preserved, an economy buoyed by recreation and tourism would provide added value for

generations to come.

We appreciate the opportunity to comment on this Draft Environmental Impact Statement.

Respectfully Submitted,

Stephen P. Stewart Seven Hills Birdwatchers Rome, Georgia

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Ohio Valley Environmental Coalition

P.O Box 6753 Hentington, WV 25773-6753 Ph. 304-522-0246 www.ohvec.org Fax 304-525-6984

August 4, 2003

Mr. John Forren, U.S. EPA (3ES30) 1650 Arch Street, Philadelphia, PA 19103 Fax: 1 215 814 2783

Dear Mr. Forren:

Oh behalf of the Ohio Valley Environmental Coalition, I write to request a 90-day extension to the public comment period on the Draft Environmental Impacts Statement on mountaintop removal coal mining.

Since the comment period began, OVEC has been attempting to collect comments from coalfield residents, while also studying the massive DEIS document. Simply stated, we need more time. We cannot possibly complete our task by August 23th, the current comment period deadline.

Thanks you for your attention to this request.

Sincerely,

~Vivian Stockman~

Vivian Stockman OVEC project coordinator 3-5

Final Project Report submitted to USGS Biological Resources

Species-At-Risk Program. [Available online at

http://www.forestry.caf.wvu.edu/pWood/>]

Division,



Ohio Valley Environmental Coalition

P.O Box 6753 Huntington, WV 25773-6753 Ph. 304-522-0246 www.ohvec.org Fax 304-525-6984

January 5, 2004

John Forren U.S. EPA (3EA30) 1650 Arch Street Philadelphia, PA 19103 REC'D JAN 0 8 2004

Dear Mr. Forren:

Attached please find Mountaintop Removal/Valley Fill coal mining DEIS comments from the Ohio Valley Environmental Coalition, submitted in addition to comments from OVEC's Counsel. The comments are in the form of the attached Word document labeled, "The Social and Cultural Effects of Mountaintop Removal/ Valley Fill Coal Mining."

The other attachment is one of the addendums, which are listed on the second page of the attached Word document.

Tomorrow, I will send via the US Postal Service, these same documents on a CD. Accompanying those will be the original documents mentioned in the comments. Also, on the CD will be the addendums that I did not include on this e-mail as they were very large, byte-wise.

I will actually send two copies of the CD. You see, my document is 61 pages long and I thought it would be best sent on a CD, especially given the photo addendums. On Dec. 28th or so I called your phone fine to check with you that a CD would be ok. Your voice mail was on, so I talked with a receptionist who directed me to someone else in your office working on the EIS. He didn't answer the phone, so I left a message asking him to e-mail me with an answer regarding a CD submission of comments. In an e-mail he assured me that a CD would be fine to send, and he asked that I send a copy for both you and him. Unfortunately, I inadvertently deleted that e-mail and I cannot remember his name. Anyway, the extra CD is for him, and I trust you'll know to whom I am referring.

I apologize if my submitting the same comments both via e-mail and US mail makes things harder for you, as I imagine you are quite inundated with comments. But since both means of transmission rely on computers (e-mail and copying the files correctly to the CD), I just want to back up one submission format with another.

Good fuck with the stack of comments!

Sincerely,

Vivian Stockman, OVEC organizer

Hello my name is Maria Pitzer. This is my children, Jessie and Chrystal Gunnoe..

We are from Bobwhite in Boone County. We are against Mountaintop removal. We are a family that lives in the constant shadow of mountaintop removal, valley fills and slurry ponds. The mining around us has destroyed our quality of life. The blasting from the mines is a constant reminder of why our lives have changed so much. My children are not allowed to play in the water that runs thru our property because the ponds run straight into it. The aquatic life in this stream is all but gone. Catching bait or fishing is a waste of time now there is anything there to catch, unless it would be some incurable disease. Who can say that this will not endanger my children health? You, the panel of people who say that what the mine companies are doing is okay. I sorry but this has not yet been a trustworthy source.

I have lived on this same property for 35 years of my life. In the same town with the same people, that all saying the same thing ountaintop removal is going to run us out of our homes and off our land like it has so many before us and I beginning to wonder, are they right?

We were flooded in 2001-3 times. With each rainstorm the creek and river fills up more with rocks and debris. In 2002 we were flooded once again. The creek now runs much deeper and faster than it ever has. Then on June 16th of 2003 we were flooded horribly. The storm was what the mine company called a one in a hundred year storm. I heard it was an act of God, which is like saying that the buffalo flood was an act of God. I remember when I was a child it rained until I was running in water to my knees in this same yard that is now gone. Why didn these catastrophic floods didn happen then? Why are they happening now? MTR is why. I not sure what all the scientific tests tell you, but Common sense tells me that if you pour water onto a rock it going to roll off, if you pour into soil it will absorb.

The flood on June 16th has ruined our life. The rains came and the hallow coming thru our property rose so fast that we didn have a chance to react. We were trapped in every direction. The river running by me was still clear and the hallow washing into this river was raging. I was being flooded by a stream that 3 years ago I could step over. With in 3 hours after it started raining we had lost almost everything. The water coming by me was sent in on mudslides that filled the creek and move the water closer to our house. The mudslide tore thru my barn thru my orchard of fruit trees. Where there was one of our dogs tied. The water and mud came so fast that we couldn get our dog out. The next morning his collar was lying in the water new path. As the water and mud continued down it filled a 5 foot culvert that had just recently been but back in from the storms of 2001. From 1981 until 2001 it was 3 foot culvert. It was part of our access. The water washed around the 5ft culvert and took out my septic system, my bridge and all of my drive way and most of my yard. My yard now drops into a 15 foot crater. It not safe for my children to play in their own yard. The entire path that this creck took thru our property has been destroyed. There is still more mudshides waiting on me. The quality of our well water has compromised to say the least. Up until the 16th we had good water but now it terrible...

17-1-2

Thank god that the water and mud stopped 20 feet short of our house. Our house as of right now is okay. OUR HOME IS DISTROYED! The life that we have always known is now non-existent. Hikes thru our own land is now unsafe. We are of Cherokee nationality and we have always been taught to live off the land. This heritage will no longer be passed down because it is being destroyed with each blast. Everyone that has a hand in allowing this mining practice to continue is allowing WV and its heritage to fade away. For what, the almighty dollar. We have to live here when you are gone.

As a family we use to love to sit on my front porch and watch a storm come and go. Now it terrifies us to see a storm come. When the rains start everyone gets scared of what going to happen next? If it raining no one in our house sleeps. My daughter at years old is constantly worried with the mining going on around us. She seen a sticker that said Coal keeps the lights on she replied by saying yeah but the trees keep our air clean. She knows what affect MTR and valley fill and ponds are having on us. Yet the college educated scientist is still looking for the reasons we are all getting flooded so horribly, so often. Hopefully this will open up your eyes and make you see that the community impact of MTR is simply devastation. The rights of people in Baghdad it seems are more important than the rights of the U.S. Citizens. I know our rights to life liberty and the pursuit of happiness are pretty much gone. Thanks to MTR and its practices. If you can sleep with yourselves, I guess we have no choice but to stay up with the storms.

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July 21, 2003

To the EPA and Army Corp of Engineers---my comments on the Environmental Impact Statement

My name is Patsy Carter and I live on the Tug Fork River. AS I watch the beautiful green river, it makes me feel so peaceful and relaxed, then all at once the river turns black from a Massey Coal Sludge spill. I am not against coal mining, but we need to deep mine coal and mine responsibly. There is no need to destroy these mountains and streams and our children's future to mine coal.

I fear for my life and my family's life when it rains. I think of ways to run for the hills for my life, from the floods caused by strip mining. I plan to keep my family pictures closes to me so that I can save them.

17-2-2

The strip mining is taking everything from us and our children. They will have no future and will never be able to live as true Mountaineers as we have and that is part of our children's heritage.

10-4-2

Under this blackened horrible life we are forced to live with because of irresponsible mining—this has made our state "Almost Hell"—instead of — "Almost Heaven". The people in Logan and Mingo county needs to wake up.

Stop Mountaintop Removal and stop valley fill mining---stop filling in the headwaters of our streams.

Patsy Carter

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Mountain Top Removal is Massive Ruinetion not only to the beautiful Appalachian Mountains of "est Virginia, but also to every creature whose existence depends on these mountains for their survival, from the streams covered by Velley Fills to the valleys below, where Citizens dwell.

It leaves barren lands, valleys filled with debris and polluted streams and airways from Rock Dust and Coal Dust. It destroys Land, Citizens possessions and their health, it leaves Slurry Impoundments of Toxic disposal seeping into our water table.

What once started as an asset to the State of West Virginia has become a liability and the State of West Virginia tax payers are paying for their damages.

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Hazards of Mountain Top Removal

Barren mountains
Endangered Species
Endangered Trees
Flooding
Toxic Valley Fills
Air Pollution
Contaminated Water
Destruction to Citizens Property
Blasting Damages
Health Hazards
Damaged Highways
Damaged Bridges
Unsafe Run-off Ponds
Slurry Water Spills

Damed-up Rivers

My scars from mountaintop removal strip mining have been more psychological than physical.

All my life, I have been free to roam the mountains and valleys near my home. Now, I would be considered a lawbreaker and a trespasser if I were to go back to those places. The first thing a coal company does when it takes a lease is to build a gate, hire security guards (whom they dress as county deputies to further intimidate the public), and install cameras to limit access. I consider this to be an infringement of my civil rights.

Sometimes a blast from a nearby mountaintop surface mine will rattle the windows and doors in my house, even to the point of hearing the sheetrock tear from the nails in the ceiling, and if the blasting gets closer the whole house may slip off the props holding it up and slide onto the railroad tracks down below.

And maybe a large boulder from the cliffs up above the house will be dislodged by the blasting and destroy the house.

I have Public Service District water, but I also have a deep well which I hope will not be harmed by the blasting.

The dust from the big trucks and from the traffic going to the mines is awful and the company knows its awful, but I almost have to beg the company to put down water to settle the dust.

The large supply trucks going to the mines are slowly breaking down the truss bridge which is the community's only outlet to the main highway.

My yard is full of squirrels, rabbits, and bears that have been chased out of the mountains by the blasting of the strip miners and by the logging which is a precursor to mountaintop removal stripping. The little animals coming out of the mountains are nothing more than skin and bones because their food source has been removed. I love to feed these little animals, but I would like to see the coal companies and logging companies pay part of the feed bill.

I would say that mountaintop removal strip mining has had a severe impact on my life and the life of my community.

Sincerely yours,

Richard A. Bradford Edwight, W. Va.

Richard a. Braslow

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July 23, 2003

To EIS hearing agencies:

I want to voice my opinion AGAINST Mountaintop Removal Valley Fill mining. This mining is NOT producing jobs, just the opposite, it is destroying jobs.

The town of Whitesville is dying with each new surface mine. The surrounding

communities are disappearing from the effects of Mountaintop Removal, the blasting and the flooding. The animals are running from the hills from lack of habitat and are coming down into our homes and yards.

The blasting is destroying people's homes and then we have floods caused by this type of mining. Our children will NOT have a place to live and our mountain culture and heritage is being destroyed with each mountain.

We are the poorest people and we live in the coal rich counties. Why?

The coal companies DO NOT put anything back of economic development. There is NOT one development site on the 90,000 acres destroyed in the Coal River Vailey. The coal field schools are being closed and as a matter of fact-2 schools was closed this year and both within 1 mile of many Massey Energy mines. Coal is NOT giving anything back.

President Bush should come to these hollows and talk to the people that live with the effects of this mining. The recommendations in this study is pure HOGWASH!!!!!!!!

Lisa Henderson P.O. 3

Rock Creek, WV 25174

#3. I live in the Coalfields, born & roised. Lise Henderson

July 21, 2003

My name is Jack Brown, Jr. and I live at 104 Finley Circle in Walhonda Villiage which is in the Clear Creek Hollow. I am a life time resident of the great State of West Virginia. I was born in 1935 at Edwight, WVA and my dad was a retired coal miner. I watched him die of black lung 6 years ago.

When I was a small boy living in the coal camp at Edwight, Whitesville and the surrounding areas there was thousands of coal miners working in the mines, not like today only a very few work in the mines.

I have seen the streams run black with coal dust. But not the whole tops of mountains leveled. The sludge dams they have built and the water they have pouleted coal trucks ruining the highways for only a few real jobs? Believe me I am not against

When they poulted in the old day's at least 10's of 1000's of coal miners had good paying jobs. Then the let down happened the mines shut down and the coal maket dried up, people left the state to find work.

But here we go again big coal companies have found a cheaper way to get the coal. Not like my dad got it, but by removing 1,000's of mountain top acres filling in the little hollow streams. I used to catch spring lizards for fish bait. We don't find the wild things in the mountains like that any more.

Big coal have bought and paid for poultions they own and don't give me much of a say so in the matter. They promise me better but big coal uses their money to change the laws to suit them.

I watched the flood waters wash my brothers house killing his animals and leaving him homeless. I saw what happened to Boger Hollar and Sycamore Hollow when the sludge ponds broke. I watched my friends and nieghbors cry wondering what to do next.

Now what did big coal do? Not our fault an act of God it wasn't our fault the dam busted and you cry babies lost everything you had.

In finishing this little letter I'm going to stay here in my little home and I'm going to fight with the big coal for a decent place to live without a polluted enviornment like we have now and not one law maker to go to bat for me.

I guess I'll be fighting for a long time or at least until someone does something to stop this land raping, pouliting the water like big coal is doing. Oh yes before I close the Governor of our State will only be a one-term governor so if you can stop the raping of my beautiful mountains and can stand up to big coal. Please give me you name I want to stand behind you and support you for governor.

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To whom if may Concern: I as a Resident

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DATE: 7-7-03

P.S. SO. Do it Right THAT'S The ONLY WAY.

Citizens Comments Concerning Coal Waste Impoundments

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NAME: Notte Mayrow

DATE: 7-1-03

Citizens Comments Concerning Coal Waste Impoundments

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DATE: July 1, 2003

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Citizens Comments Concerning Coal Waste Impoundments

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NAME: At. 1 Box 182 Delbarton, W.W 25670

DATE: 7/2/03

I worry about the safety of my Children and grandchildren. I don't think these impoundments can be made safe. The underground minim in the area could affect this impoundment. The mineral rights I own can never be recovered because of the presence of this cool waste impoundment. It has devalued my property. The added truck traffic and trains have made our lives miserable. Our well water quality has been affected as well.

NAME: James F. Maynard DATE: 4 Taly 03

Citizens Comments Concerning Coal Waste Impoundments

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NAME: Wolfer House	RR.3 Bo4 191
NAME: Walter young	Delbarton, W.r. 25670
DATE: <u>7-1-2003</u>	Place (204) 475-4558

Coal Waste Impoundments Concerning Citizens Comments

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DATE: 7-1- 03 NAME: Caret young PT 3, Box 191 Dellanton

Coal Waste Impoundments

Concerning

Citizens Comments

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these condimpressment.
NAME: General Lungon
DATE: July 2 2003

Citizens Comments Concerning Coal Waste Impoundments

My family and I feel threatened by the presence of
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Company When it rains heavy, we worry without sould happen
if it broke We are also concerned about how the underground
mines will affect the stability of the imparadment. Also
there is more dust in the ones which is hurting people
and cousing breathing problems.
NAME: Larry & Alisa Maynard

DATE: 07-02-08

Et 3 Bx 185-18 Delbarton, WV 25270

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NAME: Betty Wilson
DATE June 30 2003

Citizens Comments Concerning Coal Waste Impoundments

The fort that no one let me DR my family know about the Sludge pond At the Mine site. really upsets me. It's a scary thing to think that it could break, and wash us away, like Other sludge ponds has done in Other places a to see this in News papers & on Iv. I would really hate for this to happen in my Neighbor had. I have Two Children I try hard to protect. I NAME: Torothy F. Can't protect thim DATE: 7-07.03

Comments of the Ohio Valley Environmental Coalition (OVEC) PO Box 6753 Huntington, WV 25773-6753

on the

Draft Programmatic Environmental Impact Statement on Mountaintop Removal Mining/Valley Fill Activities in Appalachia

The Social and Cultural Effects of Mountaintop Removal/ Valley Fill Coal Mining

Submitted in supplement to comments prepared for OVEC by James Hecker and Joseph Lovett, counsel for the West Virginia Highlands Conservancy and OVEC

Compiled by Vivian Stockman, Ohio Valley Environmental Coalition, from information collected from coalfield residents, field observations, news reports and websites, Coal River Mountain Watch and Delbarton Environmental Community Awareness Foundation assisted in collecting this information.

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Original copies of comments from individuals

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Preliminary Performance Review -OEB

Photos of MTR-"Minimal" Impact?

Introduction

The Ohio Valley Environmental Coalition (OVEC) is a grassroots environmental group based in Huntington, W. Va. OVEC's members oppose mountain removal / valley fill coal mining. We have about 1500 members, mostly from West Virginia, many from regions where MTR is practiced.

These Draft Environmental Impact Statement (DEIS) comments are submitted as a supplement to the comments prepared for OVEC by James Hecker and Joseph Lovett, counsel for the West Virginia Highlands Conservancy and OVEC. Please refer to those comments for specific arguments detailing how the DEIS violates the 1998 Bragg Settlement Agreement by failing to include Action Alternatives to minimize environmental impacts. That document enumerates many other outrageous failures to adhere to law within the DEIS.

The DEIS on mountaintop removal / valley fill coal mining (MTR) fails miserably to study, measure, quantify, report and make recommendations on the social and cultural effects of mountaintop removal coal mining. Some of those effects are detailed herein, but this is by no means an exhaustive accounting of the full spectrum of MTR's social and cultural impacts. The agencies in charge of creating a valid scientific EIS on MTR must make every effort to exhaustively study and quantify the social and cultural impacts of mountaintop removal. At the very minimum, the social and current cultural effects of MTR removal listed herein must be taken into account in the EIS. The EIS recommendations must accurately reflect these effects and must include recommendations for actions that will relieve and eliminate the negative social and cultural impacts of mountaintop removal / valley fill coal mining.

If you take a drive in regions where coal companies practice MTR, some of the social and cultural effects of this form of mining are readily apparent. Follow a public road in Kanawha County, W. Va., heading toward the community of Republic. You'll find a gate across the public road. Community gone, access denied, MTR underway. Head toward Mud in Lincoln County. Only one home remaining, and that's in Arch Coal's cross hairs. The homes that were up Connelly Branch are gone, the home sites and the branch itself buried under millions of tons of former mountains. In Logan County, all that is left of Debue are the broken foundations of homes. Where there is MTR, you'll find this scenario repeated. THE EIS must make an effort to list the communities lost forever to MTR and document or quantify what the losses mean for Appalachian culture.

Early in 2004, the Falling Mountain music label will release the musical CD, "Moving Mountains: Appalachian Voices Rise Up," Artie, W.Va., resident Joe Barnett has a track on this CD, in which he speaks about MTR. His words give a good summary of the various MTR-related social and cultural impacts suffered by people and communities that have the misfortune of being near MTR operations:

My name is Joe Barnett. I live in Artie WV. I live up in the head of a little hollow that has been affected by MTR in a very adverse way. The coal company came in initially and said that they were going to do a little strip mining and said that it wouldn't do any harm to our community. So they got their permits and they came in and they started to cut timber and ran off all the wildlife, and then they started their valley fill, polluted our streams, killed off our fish. Basically they came in and they raped our community.

Then, as a result of that we got a flood that washed a lot of people's properties out. And they came in to repair the damage from the flood and they cut our water supply off. And everything that we have got them to do we have had to force them with a lawyer to do. It makes us feel like we are second class citizens.

They also effectively turned neighbor against neighbor, family against family. It's really...not only did they rape the mountains and the hollows but they are splitting up the communities too.

I've worked in the mines since 1974, but it was all underground mining. And this valley fill mining that comes in...they first come in and they just cut down every tree in sight, that's called clear cutting. They just completely clean the mountainside off. And then they start dynamiting and shaking your homes up. Then once they start blasting, the rock they just start pushing it over into whatever valley is nearby. They fill in stream beds and they run off game.

Us country people like to dig up ramps in the spring and we like to ginseng in the fall. They wipe out both of those. We deer hunt and fish. That's no longer available to us. They have successfully destroyed our way of life and our communities, is what they've really done.

We have people in the community who are in their mid-eighties, and in all their lives they have never seen floods in the hollow like this. In 1997 the first flood came and it cost two people their lives in our community, a woman and a little boy. And in 2001 we had three floods. Each flood does its fair share of damage. The companies not only get away with his, the state will approve permits for them, and the biggest insult to our community and our way of life is then the company goes public and calls it an act of God. And that infuriates me, because God did not set those mountains and valleys there to be destroyed.

A lot of times when the coal companies go before judges they can get judges to look at it from an industry point of view and call it big business, and call it progress. And a lot of judges rule for it and the common man does not always have much say in it.

As far as the home goes--my home is 12 years old--what the blast damage did not mess up...the flooding affected my land, and I probably couldn't sell my home now. I probably wouldn't get anything for it now. We live in fear. The whole hollow is in a state of anxiety now every time it storms. We've learned that they've been permitted to start another strip mine on the other side of the hollow, so now we are going to have it behind us and in front of us.

The way we gauge it is that if the pond (sediment pond below a valley fill) starts to overrun into some spillways we know that it is only a matter of time that the little streams will be full in the hollow. So different ones of us go up and just check it regularly, even in the middle of the night some of us check it.

We've lost two: 34-year-old woman, and a 15-year-old boy, stepping into their yard. The little ditch in front of their yard that normally carried off a little bit of road water had washed out to the extent that they did not realize that the ditch had washed out. We did

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not find them until the next day-right in front of her home. (Ed. Note: Flood waters gushing off a valley fill killed these two people.)

I always like to say that every law that has been written on safety was signed with someone's blood, 'cause its always been through accidents that there's any improvements in our laws. Apparently the lawmakers in the state are swayed by lobbyists and special interest groups. They come in and make big political contributions to candidates. Its corruption at its highest level, that's what you'd have to call it. The common man, the working man, is not able to get out and go to the statehouse to all these meetings and try to lobby, because we are out trying to provide for our families. And these special interest groups come in and throw a little money around and they pretty well get whatever they want and it angers us—the working class. We elect people into office who make us all kinds of promises.

I would like to see enforcement of the existing laws, and as we learn of new problems for the law, to develop new laws and enforce them. If they continue to wash away and flood everywhere there's not going to be any people living in any of these hollows. West Virginia is going to become one giant strip mine.

Any time you come in and you destroy a stream and the fish in that stream and the animals in the mountains you're affecting God's creation. And I don't like to see anything come in and do that. And not only is it affecting the animals, it's affecting God's people.

If a common guy like myself goes out there and throws anything in the creek, DEP will fine me severely for it. But a big corporation can come in and bury miles of streams and they are committed to doing that. And it bothers me that the same law that holds me won't hold the coal companies.

As MTR assaults the basics that sustain life—water, land and even the air (see blasting, coal dust), so it assaults the basics that sustain the Appalachian culture. The ElS recommendations must accurately reflect these effects and must include recommendations for actions that will relieve and eliminate the negative social and cultural impacts of mountaintop removal / valley-fill coal mining.

Blastine

In section II.A.6 of the DEIS, the federal government asserts:

The regulatory review and study conclusions confirmed that existing regulatory controls provide adequate protections from coal-mining related blasting impacts on public safety and structures including wells.

Findings further indicate the existing regulatory programs are intended to ensure public safety and prevent damage rather than eliminate nuisances from coal mine blasting activities.

Some blasting within legal limits may still constitute a nuisance to people in the general area. As with all nuisances, the affected persons may have legal recourse regarding blasting nuisances through civil action.

Consequently, blasting is not considered a 'significant issue' and no actions are considered in this EIS.

Perhaps blasting is "not considered a significant issue" to someone living outside the areas where mountaintop removal is occurring. But, to residents who live in the near MTR operations, blasting is a highly significant issue. Most would probably consider the above quoted statements from the DEIS to be absurd and insulting. Residents look to regulatory agencies to take actions that will protect their lives, their quality of life, their health, their homes and their water supply. Coal companies should obey the law and the government should do its job in enforcing coal mining laws; residents should not be forced to take on the expense and burden of hiring attorneys to protect themselves and their property from the blasting associated with MTR,

Note that in the above paragraphs the DEIS carefully talks about "blasting within legal limits." Of course, many citizens believe that much blasting occurs outside legal limits. Even for MTR-blasts that are within legal limits, many citizen complaints to the West Virginia Department of Environmental Protection (WVDEP) and the corresponding Kentucky agency would suggest that these blasts affect lives and property at levels that far exceed the "nuisance" level. Please refer to the attached document listing recent MTR-related blasting complaints made to the WVDEP. Remember, the blasts that coal companies set off for their MTR operations can be anywhere from ten to 100 times the force of the blast that cracked open the Oklahoma City Federal Building, killing 168 people. People living as far away as 12 miles from MTR sites have called in complaints about MTR-related blasting to WV DEP. Many coalfield residents keep very detailed logs of the blasts that shake their homes. Citizens have reported to environmental groups that they feel like their complaints about blasting to officials are not taken scriously. Some believe the DEP maintains a "chronic complainers" list and tends to discount their calls. We suggest that the EIS include several samples of these citizen logs. We also suggest that the DEP's entire database on blasting complaints from citizens be included in the EIS.

In early 2003 author Dennis Burke e-mailed: "Approximately 2,500 tons of high explosives are used against the mountains of West Virginia and Kentucky each work day. Every four days, therefore, more explosives are used against Appalachia's hills than were used by the US military in the entire Afghanistan bombing campaign. Every day in Appalachia, the blasting is the equivalent of 1,000 Oklahoma City bombings." No wonder coalfield residents are saying they feel like they are being terrorized.!

Citizens who experience these blasts obviously know that existing regulatory controls DO NOT provide adequate protections from coal-mining-related blasting for public safety and structures, including water wells. Nor do the existing regulatory programs prevent damages from MTR-hlastine:

• For example, near Van in Boone County, W. Va. one family's house insurance will not be renewed because MTR-related blasting destroyed the foundation of the family's home to the point the home has been condemned. See the picture of this crumbled foundation in the "Photos of Surface Mining Blasting Effects" attachment. Note that WVDEP inspectors refused to admit that MTR-blasting caused the damage. The family knows the truth. The EIS should list all people who can no longer obtain insurance from their homes due to blasting damages or potential blasting damages.

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- Numerous residents have publicly stated that they have either lost their well-water or had
 their well water become unpotable after MTR-related blasting began shaking their homes.
 "Insignificant"? Hardly! The EIS should document these losses and include an analysis of
 the short-term and long-term costs of water replacement efforts for individual families,
 communities and the state.
- Numerous residents have stated publicly that MTR-related blasting has cracked their foundations, cracked walls and ceilings, rattled windows, knocked doors out of plumb, dashed decorative items off walls and onto floors, etc. The EIS should not dismiss these damages as "insignificant"!
- Residents have complained that rock has been blasted off MTR sites, crashing through
 their roofs and into rooms, or landing in yards where children play and adults garden, or
 upon roads where people drive. There is a photo circulating of one of these rocks that is
 about as big as a compact car! "Insignificant"? Hardly!
- People have been evacuated from their homes after "fly rock" destroyed a neighbor's home. "Insignificant"? Hardly!
- The value of people's homes has dramatically deceased as MTR-related blasts have weakened the structures, and/or as potential homebuyers refuse to move into areas where blasting is occurring. "Insignificant"? Hardly!

Significantly, these regulations and programs are NOT protecting people's health and from impacts related to MTR-blasting, including the health effects from:

- The rock dust and chemical-laden dust (the blasts are created by ammonium nitrate and fuel oil, coupled with emulsifiers, blasting caps and other products) that the blasts launch into the air.
- The cumulative physiological effects of the blasting noise—even when a warning siren
 prepares residents for the upcoming blast, each and every blast still makes a person's
 heart jump, pulse race and stomach knot up.
- The physiological and psychological effects of the worry residents feel from the blasts, which include wondering if their homes' foundations can take the blasts, wondering if the can afford the costs of repairing damage from the blasts, wondering if they should bother repairing homes as the blasts continue and fear for personal safety.
- The physiological and psychological effects of the fear residents feel that arises from the blast, which include fear of bodily harm for their families and fear for their future health; for example, people fear the rock dust might cause silicosis (silica is found in much of the rock strata).
- · Some have likened the ongoing fear and related stress to post-traumatic-stress disorder.
- Sedentary lifestyles—parents have said they keep their children from playing outside for fear that fly rock (or houlder!) may rain down upon them.

News stories document some of the above-listed effects of MTR-related blasting. For instance, the August 15, 2002 edition of the Louisville *Courier Journal* carried a story by Alan Maimon. "Boulder from strip mine rips through Pike home; Dangling rocks threaten other residents in hollow," Excerpts from that article:

A strip-mine blast in Pike County this week sent an 11foot boulder over a hillside, crushing a mobile home. Four other homes were evacuated by state mining regulators because massive rocks were dameline from a hill above them.

While no one was injured in the remote hollow near Varney, Jerry Pinson, 44, said his life won't be the same for a while.

Pinson, a railroad worker, was shopping when the boulder, blown from a Lodestar Energy strip mine, crashed through his mobile home nearly 1,000 feet down a hillside from the blasting zone.

The "fly rock" event comes a year after state regulators vowed to crack down on companies whose blasting practices allow rocks and other debris to fly off sites that are being cleared for strip mining. As a result of Monday's incident, regulators say they plan to take additional measures to fix the problem.

"My house is tore up, and I don't know what to do," Pinson said. "It didn't even occur to me that something like this could happen."

Lodestar, based in Lexington, has been issued a notice of noncompliance and ordered to stop blasting at the site until the state approves a new blasting plan, said Kerry Holt, a spokeswoman for the Kentucky Cabinet for Natural Resources and Environmental Protection.

This is Lodestar's second fly rock violation since January 2001. In the earlier incident, which occurred at a different strip mine in Pike County, no one was injured but another mobile home was leveled. The company was assessed the maximum fine of \$5,000.

State regulations prohibit fly rock — the debris forced into the air by explosions set off to expose underlying coal — from leaving the property covered by a mining operation's permit.

Mike Prancisco, Lodestar president, didn't return telephone calls seeking comment.

As workers tried to remove the boulders hanging precariously from the hillside late yesterday afternoon, Pinson was joined by several neighbors at a Pikeville motel.

Pinson said he had grown accustomed to the blasting that took place on the hillside above his home for about two years and thought of it as only a minor nuisance that caused dishes and pictures to rattle.

"I've lived there my whole life and never saw any fly rock," Pinson said.

But when he returned from shopping, Pinson found his home in ruins. Stunned, he sifted through the rubble for a few articles of clothing and left for the motel.

Detrick Scott, an officer with the Johns Creek Volunteer Fire Department, which first responded to the accident, said Pinson was lucky he wasn't home when the boulder came crashing down. "He definitely could have been killed," Scott said.

State inspectors, who were trying to both secure the area and conduct an investigation, said they were not sure when the residents would be able to return home.

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Section A - Organizations

"It's still a dangerous situation," said Jeff Taylor, a supervisor with the Kentucky Department for Surface Mining Reclamation and Enforcement. "Nobody can go back until the area's been stabilized."

Carl Campbell, commissioner of the state Department for Surface Mining, said the incident has convinced him to give several inspectors the fulltime responsibility of monitoring blasting practices at strip-mine sites.

After a spate of fly-rock incidents in the first half of last year, Campbell ordered the department's nearly 120 inspectors to take additional training on dangerous blasting methods, but no inspectors had blasting issues as their sole responsibility.

"I feel like no matter what I do there will be some, but we have to do all we can to reduce them," Campbell said.

The Associated Press reported on the same event:

Jerry Pinson, who lived in the mobile home, was shopping when the boulder crashed through the bedroom area of the mobile home.

His neighbor, Melissa Logan, said she heard a blast that was louder than usual. "Just a few seconds after that was the big crash," she said. "And I looked out my window and saw that. I was just amazed. I was shocked."

Logan said the incident has shaken everyone living near the mine site.

"I'm just really scared about my kids," she said, "We're all the time outside playing, and I'm afraid it could happen here, wipe my house out."

On April 15, 2003, in an article headlined "Miner who resigned settles suit" which appeared in the Lexington Herald Leader. Roger Alford of the Associated Press reported:

An Eastern Kentucky coal miner who resigned rather than detonate blasts that could have bombarded homes with rocks will receive \$142,500 from his former employer.

Oat Marshall, who is being heralded as a hero by some coalfield residents, claimed in a lawsuit that he refused to buckle under pressure to violate state blasting requirements.

The Jackson man had said he feared setting off the blasts might have injured people or damaged property in the Letcher County community of Deane. He couldn't be reached for comment vesterday.

Marshall, a blasting supervisor, resigned in August 2001 and filed a lawsuit in November 2001 against El Dorado Chemical Co. and Consol of Kentucky, claiming that by pressuring him to violate state requirements the companies had essentially forced him from his job. El Dorado was a blasting contractor for Consol.

The lawsuit was scheduled for trial today in U.S. District Court in Pikeville

"My client walked away from a good-paying job based on the fact that they had asked him to do something illegal," said Prestonsburg lawyer Ned Pillersdorf.

Pillersdorf acknowledged yesterday that the settlement had been reached. He also acknowledged the amount of the settlement.

Neither Bruce Cryder, a Lexington attorney representing Consol, nor Randall Scott May, a Hazard attorney representing El Dorado, could be reached for comment vesterday.

Carla Anderson, of Letcher County, said Marshall should be praised.

"it's a good thing, what he did," said Anderson, who says her home has been damaged by blasting in the McRoberts area. "I wish someone would stand up for us in McRoberts."

While the DEIS states that

"...existing regulatory controls provide adequate protection from coal-mining related blasting impacts on public safety and structures" and "the existing regulatory programs are intended to ensure public safety and prevent damage rather than eliminate nuisances from coal mine blasting activities..." the public, as evidenced above, strongly disagrees. The West Virginia Legislative Auditor apparently also disagrees. Please see the attached West Virginia Legislative Auditor's document from Dec. 2002: "Preliminary Performance Review, The Office of Explosives and Blasting. The Office of Explosives and Blasting Is Not Meeting All Required Mandate." Just because regulations are in place doesn't mean they are being followed.

From page 5 of the Auditor's document:

The Office of Explosives and Blasting (OEB) was created by Senate Bill 681 during the 1999 session of the 73° West Virginia legislature. In this report, the legislative Auditor reviewed seven mandates that are outlined for the OEB in Chapter 22, Article 3a of the Code. Of the seven mandates reviewed, the Legislative Auditor Concludes that the OEB has met and continues to meet three, 1) implementation of the pre-blast survey process; 2) education, training, examination and certification of blaster; and 3) proposal of legislative rules. However, there are four mandates which are not being met to the extent to which OED was created:

- Regulation of Blasting on Surface Mine Operations OEB is charge with regulating blasting on all surface mine operations. However, the majority of tasks regulating blasting operations are currently being performed by the Division of Mining and Reclamation, not the OFR
- Setting of Qualifications for Individuals Performing Pre-Blast Surveys The OEB
 has set the qualifications for individuals conducting pre-blast surveys in its legislative rules.
 However, the primary requirement of these rules is that individual (sic) performing pre-blast
 surveys undergo training from the OEB. The OEB has no initiated any training for these
 legislations.
- Maintaining and Operating a System to receive Complaints The OEB has been in
 the process of developing a system to receive complaints. However, staffing difficulties has
 delayed the completion of this system.
- Establishing a System for the Investigating of Claims There is currently a significant backlog in claims alleging damage, which need resolved.

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Significant indeed. Please consider this article by Ken Ward, Jr. in the Aug 3, 2003 edition of the Sunday Gazette-Mail:

Mining study: Blasts not 'significant'

Federal regulators have determined, in their new study on mountaintop removal, that mine blasting is not a "significant issue" in need of additional restrictions.

The federal Office of Surface Mining and other agencies say citizen complaints about blasting probably will continue.

As strip mines have gotten bigger, the agencies said, so have the explosive blasts used on them. At the same time, federal blasting limits have not been undated for 20 years.

But, the agencies said, complaints of property damage by blasting seldom are justified.

Coalfield residents, the agencies said, should hire private lawyers and go to court if they feel blasting near their homes is a nuisance.

"No additional actions to control blasting are warranted at this time." concludes the 5,000-page draft report issued in late May. "As with all nuisances, the affected persons have legal recourse regarding blasting nuisances through civil action."

The OSM, U.S. Environmental Protection Agency, Corps of Engineers and the Fish and Wildlife Service spent 4 1/2 years working on the report.

In December 1998, the agencies agreed in a court settlement to conduct a comprehensive study of mountaintop removal. Their goal, they said at the time, was to consider new rules to "minimize the potential for adverse individual and cumulative impacts of mining operations."

Instead, the Bush administration has proposed a plan to streamline mine permitting. The plan includes no concrete new limits on mountaintop removal.

As part of their study, federal officials abandoned consideration of additional blasting restrictions. They dropped the issue when they narrowed the list of "significant issues" that deserved detailed examination.

In mountaintop removal, coal operators use explosives to blast off entire hilltops and uncover valuable, low-sulfur coal reserves. Leftover rock and dirt is dumped into nearby valleys, burying streams.

Over the past five years, complaints about noise, dust and property damage from blasting have been a consistent concern of citizens at public meetings about mountaintop removal.

In the first national exposé on mountaintop removal, Penny Loeb of U.S. News and World Report focused on the dangers of mine blasting.

"Blasts are made with the same mixture of ammonium nitrate and fertilizer and fuel oil used in the bomb that killed 168 people in Oklahoma City two years ago, but the mining explosions are 10 to 100 times stronger." Loch wrote in August 1997.

In November 1998, a task force appointed by Gov. Cecil Underwood called for better policing of mine blasting.

A few months later, during the 1999 session, the Legislature created a new Office of Explosives and Blasting within the Department of Environmental Protection.

In their new report, federal officials praise West Virginia for its "leadership role in passing laws and regulations that highlight the importance of mining companies being good corporate neighbors and addressing citizens' blasting concerns."

But in a study released in December 2002, West Virginia's Legislative Auditor found that the DEP blasting office wasn't doing its job.

For example, the audit report said, the office had not yet taken over policing of minerelated blasting from the DEP's Division of Mining and Reclamation. The office had not yet trained anyone to perform pre-blast surveys or set up an in-house database to track blasting complaints.

More importantly, the office reported a backlog of complaints that had not been inspected, let alone resolved. At the time of the audit, 39 of 202 complaints filed with the blasting office had not yet been assigned to an inspector. Fifty-four of the 202 claims were resolved. But of the 148 open claims, only five had been sent to a claims administrator for resolution, the audit found. More than one-third of the open claims were more than a year old, the audit said.

"Citizens with open claims could be living in hazardous conditions due to damage sustained in a blasting incident," the audit concluded. "In addition, the property values of individuals waiting for the resolution of claims could be affected until the damage of the property is corrected." (Note: All emphasis added)

In their new draft study, federal officials quote Underwood's task force finding that "blast detonations associated with the larger mines have increased from approximately 100,000 pounds to over 1 million pounds of explosives.

"In addition to more explosives used in blasting, the time periods over which blasting may occur in a general location have changed," the draft study says.

"For example, as the location of a typical contour mine nears a house and passes, blasting influence may last for weeks or perhaps a few months," it says. "For a large mountaintop removal mine, removing multiple coal seams, the blasting near a home may last years."

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The new report cites an OSM study of 1,300 blasting complaints nationwide. The study found that "no instances of blast-induced vibration damage were found attributable to the mining operation by the regulatory authority."

Federal rules already outline a variety of restrictions on blasting, the new study says.

Mine workers directly responsible for explosives must be trained and tested. Coal operators must place blasting-schedule announcements in local newspapers. Residents within a half-mile must be mailed a schedule. Mining operators offer pre-blast surveys to residents within a half-mile of the permit area.

"Once blasting is initiated, it must be conducted in a manner to prevent personal injury, damage to public or private property beyond the permit boundary, and adverse impacts to nearby underground mines or surface and groundwater availability outside the permit area." the study says.

The report says these rules "have not changed substantially" since 1983 — before the huge growth in mountaintop-removal mining.

"The agencies recognize that, in spite of enforcement of the existing regulations and implementation of the recent program improvements, blasting concerns/complaints will continue," the study concludes.

"Regulations provide a limited ability to control nuisance impacts," the study says. "The regulations were designed to minimize damage potential and only indirectly address nuisance; however, citizens retain the right to take civil action against a mining operation for nuisance-related concerns.

"There have been court cases in the coalfields where mining activities have been ordered to adjust operational procedures (i.e., above-and-beyond existing regulatory program controls) to reduce public nuisances."

It is flat-out wrong, insulting and disgusting for the DEIS to dismiss blasting impacts as insignificant. We repeat: Coalfield residents should not have to, as a matter of government policy, sue to protect their homes and their health from MTR-related blasting. That's an arrogant, outrageous suggestion! Whoever inserted that preposterous idea into the DEIS is no public servant, but a blatant coal industry apologist. That person ought to be fired from public office and go back to openly working for the coal industry. We also reiterate that coalfield residents have repeatedly expressed concern that regulatory agencies frequently fail to attribute to MTR-related-blasting damages that citizens clearly feel are related to MTR-blasting.

To go deeper into the MTR-related blasting issue, please consider the following information, lifted from Penny Loeb's website, www.wycoalfield.com (emphasis added):

BLASTING: WHAT'S CAUSING ALL THESE PROBLEMS?

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The Surface Mining Control and Reclamation Act was passed to stop coal mines from "damaging the property of citizens...(and) creating hazards dangerous to life and property by degrading the quality of life in local communities."

"It is the purpose of this Act to ...(b) assure that the rights of surface landowners and other persons with a legal interest in the land...are fully protected" and "(n) where ever necessary, exercise the full reach of Federal constitutional powers to insure the protection of the public interest through effective control of surface coal mining operations."

INTRODUCTION

When I picked up my yearly list of complaints from DEP in March 2000, I discovered just as many blasting complaints as in previous years, and at mines I had never heard of. So I decided to find out if there is any difference between the blasts that people complain about and those that they don't.

I collected data on 1,134 blasts at nine mines of various sizes. Of these, 369 had caused problems—such as vibration or noise or dust—for nearby residents. In about three-quarters of the problem blasts, they did differ in some significant way from the blasts that did not cause problems. The differences varied by mine, and not all applied to any one mine. The specifics are discussed under the sections on each mine. But general characteristics include; air blasts over 115 dB, larger shallow binder shots, low-frequency shots, large amounts of explosive per delay, blasts that exceed the scaled-distance formula, cast blasting, two or more shots at the same time, and larger shots closer to homes.

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Experts say that other factors can cause blasts to be troublesome as well, including the way explosives are placed in holes, brand of explosive, and misfirings. These could not be determined from the information available.

This analysis is based on a database of the information on the blasting logs. Blasting logs contain two pages of information on each blast, including: time, location, number of holes, amount of explosive per hole, blast design and length of delays between holes. Sometimes there will also be information on ground vibration, air blast levels and frequency from seismograph readings. Some mines are required to seismograph all blasts, while others have been seismographed by DEP after complaints from residents.

I determined which blasts caused problems in two ways. Some resulted in complaints to DEP. Others were noted on lists kept by people living near the mines. In every community except one, I got a list kept by at least one resident.

The regulations say the director can give the public access to the blasting logs. But they don't require copies, so Libby Lindsay (a retired miner and summer intern at the West Virginia Organizing Project) and I had to take laptops to the mines. When we had to sit on boxes and use pails as tables in the guard shack at White Flame (the first mine), we thought we were in for a rough summer. Fortunately, accommodations improved, but varied greatly. Paynter Branch required us to go to a lawyer's office in Charleston and

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assigned a young secretary to watch. Pen Coal had a supervisor hand us each blasting log, one by one, and asked for a copy of the data.

For all mines but one, we used the time period of the beginning of 1999 through Spring 2000. The other mine had ceased blasting for part of 1999 so we also looked at older records. We entered every blast that generated a complaint to DEP. We tried to enter at least two full months of blasts during the months when there were the most problems. That way we could compare blasts that were problems to others that were placed nearby at the same time of year. Ideally, we would have tried to gather another 500 blasts, but our time was limited with each mine. We have gone back to as many mines as possible and checked the data.

I have spoken with seven blasting experts, read both the OSM and DEP blasting manuals, reviewed studies and court testimony and have discussed my findings with DEP and officials at the mines. I asked all the mines for a response. Paynter Branch, Bandmill and Mingo Logan did not respond. Pen Coal officials and I are still trying to set a date for an interview.

This study is about both nuisance problems and damage. The law gives citizens the right to enjoyment of their property. Yet, in every community where there is blasting, there are certain shots that cause houses to shudder, items on walls and shelves to shake. The blasts can be very loud or cause a lot of dust. At most mines, these types of blasts only occur about a dozen days out of the month. The others don't bother people.

In fact the Secretary of the Interior stated in the Federal Register, when OSM issued its blasting regulations in 1983, that citizens' health and safety should be protected as to "create the least discomfort." "OSM believes that prevention of excessive noise, especially in populated and residential areas, is within the ambit of 'health and safety or welfare."

The coal company officials, and to some extent DEP officials, sometimes dismiss the people who claim problems as "chronic complainers." Sure these people exist. But I am confident that the people from whom I got complaints had legitimate problems and did not exaggerate.

My purpose was not to determine exactly what made those blasts problematic. There is not enough information on the logs for such precise findings, nor do I have the expertise. What I wanted to find out is whether there is enough suggestion of difference to warrant further study.

The mines usually abide by the regulatory limits of 1 inch/second ground movement and 133 dB air blast. Vibration is supposed to be minimized by separating the explosions of each delay by at least 8 ms. Mines usually use a "scaled-distance formula." This limits the amount of explosive per delay period. For example, the limit for a blast 2,600 feet from the closest protected structure is 2,234 pounds per delay period. The closer a mine gets to a house, the less explosive per delay is allowed. The formula does not have to be followed if a seismograph is at the closest house.

When a citizen files a complaint, the DEP inspector, in nearly every case, will write that blasting was within the regulations and go away, leaving angry citizens. They feel as if they are in the Twilight Zone. How can the inspector say blasting is being done properly when their house shakes? Some inspectors have even pinpointed types of blasts that cause problems under these limits, especially air blasts above 115 dB (these are explained in the analysis of each mine below). Yet, DEP and OSM refuse to look beyond these standards.

The regulations are based on research done 15-20 years ago by the Bureau of Mines. None was done in West Virginia, and research was with smaller blasts and partly on a new house built specifically to test blasting. Two recent bodies of research have been developed that refute the accepted limits. (I can supply copies to anyone who wishes).

Sam Kiger, Dean of Engineering at the University of Missouri, was the expert for the Bim blasting case, which was tried in court in Boone County in March 1999. Kiger is an international expert in protecting federal buildings from blasting damage. After examining 6,000 blasting logs, he testified that there is about a 95 percent chance of damage at a vibration limit of .5 inches/second, if you count each of the holes shot (50 on average) as a separate vibration. In the Bim case, he also testified that low-frequency waves (2 Hz-11 Hz) generated by some blasts can be more damaging. The frequencies can match that of a house and amplify the shaking.

Freda Harris, who had a blasting case with a mine in Indiana, gathered many documents during the case and subsequent FOIAs of OSM. She wrote a manual for Citizens Coal Council. One of her most intriguing findings was that there can be "hot spots" in a community where the geography can make blasts worse. She emphasizes that damage and vibrations can feel worse if a house's natural frequency is approximately between 4 Hz and 12 Hz. The above-ground part of the house often vibrates more than the ground outside and the foundation. Yet, the DEP/OSM standard is based on ground vibration.

Most of the blasting studies of the Bureau of Mines were done by the David Siskind. The FOIAs provided much correspondence between Siskind and other experts, some of it quite critical. A top official of Vibra-Tech, a leader in designing blasting technology, said: "Any criteria...which ignores the frequency of a structure and the frequency content of the ground motion is overly simplistic...Your criteria, as proposed, will neither protect the interest of the citizen and the homeowner, nor will it protect the blaster from alleged damage claims."

After the Bureau of Mines was shut down by Congress, Siskind became a private consultant. He testified for the coal company that lost the Bim case. The majority of the blasting cases have overturned his studies, and thereby the limits used by DEP and OSM. As he wrote an OSM official on June 17, 1997: "The battles I am now seeing are not 0.5 in/sec versus 1.0 in/sec. Complainants are trying to dismiss all the science as biased, wrong or nonapplicable. For the most part, they are succeeding in ways that pay off."

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Interestingly, the DEP "Surface Mine Blasting Study Guide" acknowledges that the response of the human body is greater at lower frequencies: "This explains why people file complaints even when the blasting is conducted at safe (no damage) levels."

The guide recommends seven ways to possibly reduce ground vibration, including: use less explosive per delay, increase the length of delay, detonate the blast away from houses, increase the scaled distance formula. Interestingly, many of the problem blasts violated one of those seven recommendations.

The study guide also notes that blasting complaints will be likely when air blasts exceed 115 dB. It has nine recommendations on how to reduce air blasts, including using enough cover over the explosives in the holes, avoid cloudy days and temperature inversions and avoid open sides in the direction of homes. Again these were often disregarded during problem blasts.

DEP regulations give the Director the power to order mines to reduce blasts to prevent harm. The regulation currently reads: "The director may prohibit blasting on specific areas where it is deemed necessary for the protection of public or private property, or the general welfare and safety of the public."

DEP has tried to strengthen the language in revised regs now before the Legislature: "The director may prohibit blasting or prescribe alternative distance, vibration and air blast limits on specific areas, on a case by case basis, where research shows it is necessary, for the protection of public or private property, or the general welfare and safety of the public."

At DEP's public hearing in August (2000), the industry submitted criticisms, and Mike Mace, director of the new Office of Explosives and Blasting, thinks it might not pass the legislature. Even if it passes, the question is will it ever be used.

Darcy White, assistant chief of the Office of Explosives and Blasting, agrees that blasts can be refined and reduced a bit. She has found that the frequency problem can be eased by lengthening the delay periods between blasts. This would eliminate a lot of the problems. But she sees it as a continual negotiation between inspectors and the mines. Never, she thinks, will DEP have the authority to order the changes that are needed. The sad thing is that these aren't major changes. Nor would they result in much slowing of production.

The response of homes can be measured before blasting. Response Spectra Analysis is a mathematical procedure that takes into account the structure's natural forces and the amplitudes and frequencies transmitted by a blast. This requires firing test blasts first. Vibra-Tech's West Virginia office offers this service, which they sometimes use when blasting will be near a hospital or computer operations. One hole is fired for a week, and vibrations measured. Mines don't use it, the Vibra-tech official said. "If the speed limit is 55mph, would you drive 50 mph." he said, explaining that mines only do the legal minimums.

OSM actually considered requiring Response Spectra Analysis, but rejected it in 1983 as too expensive.

The other weakness of the DEP system is that inspectors don't know the scope of the blasting problems. Only a small percentage of the problematic blasts get reported to DEP. Some people don't know who to call or even that DEP exists. Others give up after being told repeatedly that the blast "was in compliance." Within two hours, I can find the person(s) in a community keeping lists of the blasts. But there is no DEP policy requiring inspectors to regularly canvass a community for problems with a mine.

From this study, it appears that blasting could be moderated enough to reduce problem blasts by at least 50 percent. With the recent appropriation of additional state and federal money for DEP, the blasting office will hire about a dozen blasting inspectors. If inspectors had a complete record of all the problem blasts at every mine, they could require modifications in the blasting until the problems abate.

Clinton Evans, engineer for an explosives firm in southwestern Virginia, is regarded as one of the leading experts on blasting in the Kentucky, West Virginia and southwestern Virginia area. He has been a blaster since 1976, and his firm supplies powder to Tri-County and advises the mine occasionally. It is also doing the blasting for the Route 10 widening in Man. The firm does blasting at surface mines, though none currently in West Virginia.

He offered many insights on why certain kinds of blasts can cause problems and kinds of improvements that can be made. He agreed that there are things that can be done to make blasting less bothersome. I will explain what he said about some of the most common problems.

Binder shots, which have short holes (generally less than 10-feet deep), frequently result in loud air blasts, which cause complaints. Mines use these when they have to shoot a narrow layer of overburden to reach coal. The top coal layer is usually fairly deep (50-100 feet below the top of the mountain). Then there can be a few coal seams close together with just a little cover. The holes are so short that there is no room for adequate cover to absorb the sound. The best way to cope is to use gravel to cover the explosive instead of the drill cuttings normally used. His firm uses gravel for binder shots on construction jobs. But it would be practically impossible for coal companies to absorb that cost, he said. Barry Doss, the chief engineer for West Virginia operations for Addington, said that mines tend to use binder shots with too many holes because they are so easy to drill. The data shows that smaller binder shots generally don't cause problems.

Evans said that they concentrate much more on the effects of the low frequencies than on per particle velocity. The per-particle reading almost never goes higher than .3 inches, well below the regulatory limit of 1 inch per second. However, just as Sam Kiger and Freda Harris determined, the low frequencies are bothersome. "We try to change to a higher frequency so don't get as high a jolt," he explained. DEP recognizes that lengthening the delays can raise the frequency. However, Evans also tries decreasing the burden a foot at a time, and then possibly the spacing as well.

Air blasts that exceed 115 dB frequently cause complaints. He said the best time to shoot when there is a potential for air blast is from noon until 2 p.m. because temperature

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inversions and clouds are least likely. However, a lot of mines like to shoot at shift changes around 4 p.m. Another way to reduce air blasts is to slow down the delays down the rows. The data shows at least half the mines use 9ms delays down the rows. He said those short delays can actually end up, depending on the design of the blast, being less than the regulatory limit of 8ms between delays. Some mines use these very quick row shots to cast the overburden. This saves a lot of time and reduces the cost of moving the overburden. The explosion just tosses the material away from the coal.

There needs to be better training of both blasters and inspectors, he said. "One of the biggest problems in the industry," he said, "Is that we have a lot of explosive companies with well-trained people, but more intensive training of the blasters at the sites needs to be done." There will be times with difficult blasts, he said, that blasters will need advice from explosives companies. However, their resources are stretched thin, as well. Larger mines will generally get more attention just because they do more blasting.

He recommends that at least some of the new blasting inspectors at DEP have worked as blasters. He also advises aggressive public outreach, which is what his company does when they start blasting in a new area.

Analysis of nine mines

COWEN Evergreen (Addington)

"It feels like an earthquake," Bowman said. Sometimes, the blasts have shaken the deer heads off the wall, cracked the windows and made the house shift so doors won't close properly. The water has drained out of the two ponds behind his house, and he can't keep enough in the ponds for his pet fish.

Dust from the blasting filled the long valley three times this summer: once in Junc, once in July and again on August 2. One day it was so bad that Bowman couldn't see to drive down the road

Roger Hollandsworth agrees that the blasting is bad. Hollandsworth has lived in his tidy home for 34 years. The yard is filled with flowers, Rose of Sharon and other flowering trees and shrubs. His mother lives just up the road, a bit closer to the mine.

Like the Bowmans, his mother keeps a careful record of the blasts. After a couple years of problems, the mine now calls her and a few other nearby residents when a blast is about to go off. But that doesn't stop the blasts from being annoying. She only writes down the bad blasts, with notations like: "Very bad-loud-shook house."

"They are hurting us down here." Hollandsworth said. During the summer, someone put up a sign: "Blasting next six miles. "It will blow you off the highway."

For the most part, the residents have dealt mainly with the mine management. In one case early in 2000, an improperly designed blast blew the windows out at the Falls' garage, which is usually the closest protected structure. Mr. Falls said that some of the holes of

one blast had not gone off. Then when a new blast was set off nearby, the unfired holes went off as well. This was not reported to DEP, however.

When the DEP inspector is called, he does a thorough inspection. Most of the time, he accompanies his findings with a one-page explanation of blasting. Each time, he writes: "Air blasts often feel like ground vibrations and are similar to the sonic booms generated by jets breaking the sound barrier. Air blasts over 115dB are known to be irritating to persons in the area and often result in citizen complaints." Most of the blasts at this mine for which there are decibel readings do exceed 115 dB. In fact, Evergreen got a violation in April 8, 1999 when it blasted 139 dB, well over the 133 dB limit.

(Note: I spoke with Roger Hollandsworth in early March 2001. He said the blasting is much, much better now. There are still some loud blasts, but there haven't been the fumes or the shaking of the past few years. He said inspector Keith Evans is at the mine two or three days a week. He has them adjust the blasts and shoot earlier in the day. Roger and Keith visit regularly so that Keith knows how the blasts are impacting the community. They seem to have developed a plan that could be a model for other communities.)

Of the 111 blasts analyzed, 47 generated problems for residents, A few were complaints filed with DEP, while the rest were noted by Mrs. Hollandsworth or the Bowmans.

Most of the complaints stemmed from two factors: Blasts that exceeded the scaleddistance formula or came close to it. And the larger, shallow binder shots.

This mine most frequently exceeded the permissible limits for explosives per delay. As the inspector noted, regulations allow this since the mine placed a seismograph at the nearest protected structure, usually the Falls or the Hughes houses. Mr. Falls said that he was protected from the blasts by the mountain, unlike his neighbors. The mine never told him, he said, that it could have larger than allowed blasts because the seismograph was at his house.

All nine blasts that exceeded the limit caused complaints. Six triggered a seismograph, with air blasts measuring between 124 dB and 131 dB.

Of the 12 blasts that were more than 50 percent of the permitted amount per delay, eight generated complaints.

The other factor that appeared to cause a lot of complaints were the larger binder shots. Because these have holes that usually aren't more than 10 feet deep, they don't shoot a lot of explosive. But the shortness of the holes often makes them generate more vibration and larger air blasts. It is difficult to design an efficient blast with such shallow holes. The adverse impacts could be reduced with holes of smaller diameter. But I have not seen any mines that use 6-inch diameter holes. Usually the holes are either 7 7/8 or 9 inches. The mines say it would be too expensive to buy smaller drills.

A blasting supervisor for Evergreen said that the mine shoots a lot of binder shots because the coal lies close to the surface in numerous areas. Of the 35 shots less than 10

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feet deep, 12 generated complaints. Half of those were over 9,000 pounds. Of the other 23 binder shots that did not cause problems, only two were more than 9,000 pounds.

This mine and Mingo-Logan and Princess Beverly were the three that shot two or more times nearly at the same minute. There were 19 shots within minutes of each other. Twelve of those combined shots caused complaints. The ones that did not were less than 10,000 pounds or a small fraction of the permitted amount per delay.

The few other troublesome blasts that were not explained by these factors had notations on them about unusual design or problems with the blast.

I spoke with Barry Doss, chief engineer for Addington's West Virginia mines. He said that the major reason for the high air blasts is that this area has a lot of cloudy days. When clouds are low, the sound waves will bounce back to the ground at wider angles, which is why air blasts can sometimes be heard two miles away. He doesn't know what can be done about the clouds. But he said air blasts can be lowered by reducing the amount of explosives per hole and by increasing stemming (cover over the explosives in the hole).

Evergreen uses a dragline, which is why its blasts sometimes exceed scaled-distance limits and why it uses larger holes than the other mines. The dragline has to have a lot of rock to keep working steadily, he said.

I asked him about the shots that generated a lot of dust and smoke. If the smoke was yellow and smelled, the holes may have been wet, he explained. If a blast has to sit overnight before being detonated water can get into the holes. The best way to avoid problems is to load the holes and detonate them immediately.

Both Evergreen and Princess Beverly tend to shoot two or more blasts at the same time because it is more economical. This way they only have to clear the area once, and generally they do the simultaneous blasts at the afternoon shift change.

The men who design and shoot the blasts don't get to go to seminars, he said. So they rely on the expertise of the explosives company when they have problems. "There are always minor adjustments can be made because blasting more of an art than science," he said.

CYCLONE Paynter Branch Mining

"My husband works for the mines, but they can't tear up my house," Barbara Jeffries of Cyclone, interview August 2000.

Like Tri-County in Dingess, this is a small mine with small blasts. Yet it was frequently within 1.500 feet of the community and caused a lot of problems. The mine stretched for about a mile, its perimeter following Route 10 through Cyclone, never more than 2.000 feet away up on the mountain.

The complaints about blasting began to come into DEP towards the end of 1997. By 1999 though, people were tired of complaining, since the problems didn't seem to be easing. Still they filed a dozen between March 1999 and February 2000.

"Blasting on 6-24-99 at 4:15 p.m. was extremely loud and shook her house so hard that it scared her visiting grandson who was inside of the house at the time of the blast," wrote the DEP inspector about a complaint from Barthara Jeffries. Her neighbor, David Robertson, complained on March 23, 1999: "Blasting from Paynter Branch Mining has been shaking the complainant's residence and on 3-22-99 at approximately 4 p.m. a blast occurred that 'shook' the dwelling hard and caused items to fall off of shelves in the den of the dwelling."

Dust from the mines was a problem, partly because the fairly large community was so close to the mine. Though the mine is not visible from the road, its location on the edge of the mountain was similar to the Dal-Tex mine in Blair. This allowed the dust to float out over the houses.

The blast on Aug. 25, 1999 was particularly dusty and generated two complaints. David Robertson took photos that clearly showed the dust. The DEP inspector wrote: "Paynter Branch Mining Inc. has agreed to wash Mr. Robertson's house as he requested after mining has progressed away from the location of the house." The mine agreed to wash other houses as well. Yet more than a year later, no houses have been washed.

Unfortunately, the one person who was keeping a log of the blasts threw it out because the mining was ending and she saw no use for her records. This is the one mine, where the complaints are based solely on complaints filed with DEP.

However, this mine was one of two that regularly seismographed the blasts. It did seem that the machine was close to one group of homes and not to another. The blasts were loud enough to trigger the seismograph 30 of the 35 times that the closest structures were houses 57, 88 or 91 (all near the Jeffries and Roberts). It did not trigger when the blast was closest to house 152.

Interestingly, all but five of the 35 air blasts recorded were over 115dB. Several DEP inspectors have said they found complaints start coming in when air blasts are over 115 dB.

The DEP inspector was quite thorough. After one of the first complaints in late 1997, he wrote a letter with his findings. This time, he found that the mine was using the wrong closest structure. The log said it was 1,800 feet away when it was actually only 1,400 feet. This reduced the allowable amount of explosive per delay from 1,070 pounds per delay to 648 pounds per delay. Then the blaster timed the shot incorrectly, causing 1,200 pounds to detonate instead of the 648 pounds.

WHAT THE DATA SHOWS

We reviewed 103 blasts, of which nine generated complaints to DEP. Without a more complete list of problem blasts, it is somewhat difficult to determine what is different

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about the blasts that did cause problems. However, the presence of seismograph data is helpful.

Location of the blast appeared to be one factor. The complaints only came when the blasts were in just seven of the 80 grids where blasting took place. The blasting logs require mines to include the grid numbers. Crids look like a graph paper and the letters and numbers generally start in the top corner at the left, just like in a spreadsheet. So the grid will read J-19 or NN-46. All the grids where bothersome blasts occurred were towards the center of the mine; J-19 through OO-41.

As noted above, the air blasts were particularly high here. The highest (132dB) occurred on the day that Barbara Jeffries said the house shook so much it scared her grandson.

Interestingly, the majority of blasts that caused complaints were detonated in the direction of the nearest protected structure, even though DEP recommends detonating away from homes in order to reduce vibration.

The data on the frequencies of the blasts is also enlightening. The Bureau of Mines has found that frequencies between 4 and 11 Hz can magnify the shaking feelings if the house is responsive to the frequency of the blast. Most of the frequencies from these blasts were between 7 Hz and 11 Hz.

DINGESS Tri-County Coal

Perhaps the smallest of the nine, this mine stretches along the ridges of the mountains that hug the northeast side of County Route 3 through Dingess. Two local men bought this permit from Pen Coal a couple of years ago and are operating a contour mine without any valley fills.

Blasting problems have been associated with the large, mountaintop removal jobs where blasts can be 50,000 pounds to 250,000 pounds and even as much as 1 million pounds. Tri-County refutes that theory and shows the complexities of blasting. The largest blast we recorded was 43,942 pounds, with nearly half less than 10,000 pounds.

Stanley Marcum, a disabled miner in his 50s, lives where he was born, in a two-story house on the banks of the West Fork of Twelvepole Creek. Steel blue, the house has been carefully restored. Birds gather at the feeders near the creek bank, and Marcum built a garage a few years ago. His wife has a beauty parlor in the rear of the house and is home most of the day.

When Pen Coal was blasting about half a mile down the road three years ago, Marcum did complain to DEP a few times even though his home wasn't among the closest. Last year and this past winter, his house was frequently just about the closest to Tri-County. Blasting was occurring on the ridges lying to the northeast, across the creek and road from his house. Only now, he was reluctant to complain because he had gone to school with one of the owners.

Still, his wife kept careful track of the blasts, noting down the ones that were the most bothersome. Marcum believes the cracks in the foundation have grown worse because of the blasting. He showed me how the bottom wall of his living room bows outward into the room. Whether these irregularities were caused by blasting will be up to an engineer. What is clear, though, is that the blasting is annoying and sometimes scary. The house just shakes and shakes, according to Marcum and his son.

The Marcum family has been working in the mines for decades. Stanley worked as a deep miner at Marrowbone for more than 20 years. In the early 1990s, Marcumbone ousted the UMWA, but Marcum stayed on. He had the misfortune to be in a mine fall, breaking his back in several places. Though he is fortunate to be able to walk, he can't go back to work. The mine paid the medical bills for his accident, but he is now like many disabled miners in their 50s and early 60s: without medical coverage until he reaches retirement age. Marcum's son drove a coal truck at Pen Coal, but recently switched to driving for Marrowbone.

A new permit for Marrowbone's mountaintop mine is approaching Marcum's house from the southwest. The pond for the valley fill will be about 300 feet from his backyard. "I was born here." he said, "But if they bought me out, I would leave."

The Marcums aren't the only ones who were bothered by the blasts, either. Roger Meade and his wife live across the street. Dishes in their house have been knocked off shelves and broken.

WHAT THE DATA SHOWS

The most obvious reason for these blasting problems would be because the blasting was very close to the homes.

Of the 130 blasts we entered in the database, Mrs. Marcum noted 27 were especially bothersome. These blasts were either closer, deeper, had a larger number of holes, a larger amount of powder per delay or shorter delays.

12 of those were 1000 feet from the closest house. There were another nine blasts that were also within 1000 feet. But the ones that caused problems had significant differences with all but one of the less offensive blasts. Two were nearly twice as deep 59 and 68 feet, compared to 30 feet). Seven had more holes. Seven had fewer delays (17ms and 42ms, compared to 17ms, 42ms and 109ms).

The other 15 troublesome blasts were located in just 10 other grids. (Blasting was done in 26 different grids). In four of those grids, nearly every blast was bothersome.

In the other grids, the bothersome blasts differed in significant ways. The most obvious were the delay timing and delay designs.

The amount shot per delay ranged from two at 1,394 pounds to one at 10 pounds. There were a number of blasts between 255 pounds and 782 pounds. Interestingly, of the 10 blasts at 697 pounds, only three were bothersome. All three were in the two of the 10 grids closer to the Marcums.

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It would seem that blasting at this mine would have benefited from closer attention from DEP. Numerous blasts were listed on the log as 1,000 feet from the closest protected structure. However, the name of the owner was never given as it is at most other mines. It is quite possible that some of the blasts were actually within 1,000 feet of homes and would have required site-specific blasting plans.

There were no complaints up to March 2000. A few complaints were filed after that. But because there had been no previous complaints, it appears that DEP did not pay close attention to the blasting.

This is the one mine where management seemed to genuinely want to try to lessen the impacts of the blasting. In fact, the mine manager asked me to tell him if I found any reason why the people were having problems with the blasts.

After the mine received complaints from people soon after starting up early in 1999, the powder company studied the vibration patterns and recommended altering the frequencies. It appears that the delays were lengthened on many, but not all, of the blasts, Unlike other mines, the blasting logs sometimes seemed as if they were carbon copies. As we were inputting, we sometimes felt like the blast from the previous day had just been copied onto that day's log. Perhaps, they did shoot nearly identical blasts on consecutive days, but it seemed odd.

Bill Dye, the mine manager, said the complaints in April-June of this year resulted from an unusual rock formation. The blasters unexpectedly encountered fractures as large as 6 inches in the rock. They had to increase the powder in order to try to break up the rocks, some as large as houses. But the fractures and increased amount of powder made for larger air blasts, he explained. There was no way, that he knew, to discover the fractures before shooting. He said they tried to tell residents what was happening.

I asked him whether the mine could afford to shoot less per delay. He said that they tried to break the shots up into two or three smaller groups when they are close to houses. However, he said, that it would probably cost too much in time delays to do that with larger shots further away from the community. They do try to do preline, breakup and production shots, and have minimized the shots as much as possible.

He said that community residents are nderstanding if they are called ahead of time. However, it would be difficult, he said, for a mine or DEP to survey a community to discover the full extent of the problems.

FOSTER Elk Run Massey

Dickie Judy could be the poster child for blasting. For six years, he has gone to every level of state and federal agency and governing body. Amazingly, most agree that the blasting from the mine is causing problems. Yet, none wants to order something done.

Dickie Judy builds houses for a living. So when it came time for his dream home, he wanted everything perfect. The location is idyllic, more than 100 acres at the end of Foster Hollow in Boone County, an ample flat lawn, and even a visiting bear. He let the large white colonial settle a year before moving in—only to be greeted with a notice that he needed a pre-blast survey.

The survey was done in September 1994. Another survey was done of Judy's older rental house nearby. Within a few months Judy filed his first of years of complaints. Bill Cook has been the DEP inspector the entire time. After nearly two decades with the forestry department, he had moved over to DEP with an unusual enthusiasm for enforcement. He jumped right in and issued a violation: "failed to prevent damage to private property outside of the permit area; Elk Run Coal Co. must provide a list of repairs that it is willing to make and a time frame for such repairs by Friday 3/24/95."

On March 30, 1995, OSM inspectors Mike Superfesky and Richard Frazier inspected the Judy's two houses along with Bill Cook. About the older house, OSM found: "I totally agree with the WV DEP that it is obvious that the paneling separations in three different rooms of the house was caused by blasting; It is also obvious that the age, type of construction, and type of foundation make this older structure more vulnerable to both air and ground-induced loading. The dynamic response of non-conventional pler or rock footings and non-conventional floor and wall framing to ground vibration is different from that normally expected in the more conventional system; therefore a larger scaled distance factor is required to insure protection of a non-conventional structure."

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About the Judy's new house OSM wrote: "has also sustained additional cracking from the time of the pre-blast survey conducted in September, 1994. Currently many of these cracks are considered minor or threshold cracks, particularly the cracks in the room corners and at the intersection of walls and ceilings; however, there are documented changes in the size and number of cracks since blasting commenced. Based on the age and the excellent quality of the design and construction of this house, it is evident that this house can resist greater air or ground-induced loading than the older, non-conventional house. It is also very possible that in addition to air blast, this house is being subjected to low-frequency ground vibration that are near the natural frequency of single family frame structures and particle velocities could be amplified within the structure."

And this was happening when the blasting was 5,000 feet away.

DEP inspector Cook issued three violations for blasting, which forced DEP to issue a cessation order. Massey appealed to the Surface Mine Board, which overturned the blasting violations in July 1995.

Next OSM issued a Ten Day Notice on August 8, 1995, saying that Elk Run failed to conduct blasting operations so as to prevent damage to private property outside the permit area. In December 1995, OSM issued a violation and ordered Elk Run to improve its blasting designs. In March 1996, Federal District Court ruled in Elk Run's favor and overturned the OSM order.

Meanwhile Judy had gone to Washington, D.C., to testify before Congress about the harm of cutting OSM's budget, which happened anyway.

Interestingly, his case became a dilemma for OSM's Nationwide Blasting Work Group in early 1996. OSM had found damage at the older house at a vibration of .2 inches/second. Blasting regulations are based on the theory that no damage will occur below 1 inch/second. Since the Work Group has not issued a final report, the resolution is a mystery.

OSM made another inspection on April 2, 1997. After finding two air blast readings of 128dB, the inspector recommended more stemming (cover over the explosives in the holes) and smaller diameter holes. It appears that holes were reduced from 9 inches in diameter to 7 and 7/8 inches only about a third of the time.

In the summer of 1998, Dickie Judy hosted a tour of the legislative committee studying blasting. He also lobbled the legislature for better laws.

After a series of particularly hard blasts last Fall, (then) DEP Director Mike Castle issued an order that air blasts should be reduced. However, Massey threatened to sue, and DEP backed off the order. Instead, Darcy White and Jim Miller of the Office of Explosives and Blasting convinced the mine to submit a revised blasting plan, which included longer delays and shots in sections. In March 2000, the mine got a new manager, Mike Snelling. He said he could minimize the complaints, but not eliminate them. However, from the Spring through November, the blasting and mining was being done in an area of the mine far away from the Judy's home. Inspector Bill Cook said they won't be able to determine how much the new blasting plan has helped until the blasting comes closer to the homes in a few months.

Most recently, the engineering expert for Bailey & Glasser found that Judy's home has \$5,000 in damage from blasting. However, it is too small an amount for them to take on as a lawsuit. Mike Mace, director of DEP's Office of Explosives and Blasting, refused to order the mine to fix the damage based on the engineer's finding.

Dickie Judy doesn't know where to turn next.

WHAT THE DATA SHOWS

We examined 88 blasts of which 23 caused problems. First, this mine has the biggest blasts. Of the 88 blasts, 37 were more than 100,000 pounds. Evergreen, the next largest, had 20 of 111 over 100,000 pounds. Granted, large blasts can be barely noticeable if properly designed. But the Judys repeatedly characterize the blasts as feeling like they are being blown off the earth.

More than half – 42 blasts – were more than 1,200 pounds per delay, the only mine to shoot such a high percentage. Regulations permit such large shots because the blasting was usually between 3,000 and 9,000 feet of the Judy's house. However, when the large amounts were shot within 4.600 feet, there was usually a problem. Those blasts include: 1,954 lbs/delay at 3,200 feet, 2,858 lbs./delay at 3,500 feet and 5,162 lbs./delay at 4,300 feet.

In fact, 17 of the 23 problem blasts shot more than 1,900 pounds per delay. Four of the other 6 problem shots were binder shots.

Binder shots were a problem at this mine, as at all the others where they are used. This time, only about half the binder shots caused problems. All those that did cause problems were 9 inches in diameter. Several of the less bothersome used both 9-inch and 7 7/8-inch holes.

KISTLER Bandmill Massey, formerly Pittson

For more than three years, Everett Dickerson of Kistler kept careful records of the blasts at the Pittson mine on the mine above his house. When his neighbors started to have blasting problems a few blocks away, he showed them how to make lists, too.

But now Dickerson has given up. The lists and complaints didn't do much good. The only thing that might help now, he says, would be a lawyer.

This mine, which was owned by Pittson until mid-1998, stretches along the top of the mountain on the north side of Route 10, reaching from Taplin to Kistler. The mine ceased operation for about a year while it was being sold to a subsidiary of A.T. Massey but reopened early in 1999.

About 110 houses in Kistler and Taplin are within half a mile of the blasting. Kistler is a tight little community with houses close together on narrow streets. Several residents described the blast as reverberating through the neighborhood.

"Blast today at 8:36a.m. shook trailer and scared everyone in the neighborhood," Cornella Morgan told the DEP inspector on April 23, 1998.

Larry Conn, a teacher, told DEP that the blast shook their house on March 6, 1998. "Very upset that blasting seems unregulated."

The DEP inspector was not as assiduous as those for Evergreen and Paynter Branch. But his investigation of the blasting complaints did shed some light on why particular blasts caused problems. When Larry Bragg complained that a blast on Aug. 21, 1999, "shook his house really bad," the inspector noted that the blast included "pre-split holes, which are usually very loud." A number of blasts examined were a combination of pre-split and production blasts.

Interestingly, a month before that problematic blast on Aug. 21, the inspector had recommended that the mine "use more delays in pre-split shots to cut down noise levels and reduce number of complaints." It doesn't appear that the delays were changed.

Larry Conn reported that the blast on March 10, 1999, shook his house. The inspector wrote that the blast was "on a point with two open sides and weather was cloudy with light snow contributing to increased air blast."

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As for the blast on April 23, 1998 that scared everyone, the inspector found it was "parts of three holes un-detonated in previous blast. Would have been very loud."

WHAT THE DATA SHOWS

We examined 182 blasts, of which 51 caused problems. This mine was different from the others because we examined blasts in 1997 and 1998 as well as 1999 and 2000. This is because the mine did not operate for part of 1999, and people had given up keeping complete records by 2000. We also had to use a different kind of blasting log, with different information for the 1997 and 1998 blasts. Mine officials could only find the records kept by the blasting contractor, but not the official logs that were kept when the mine had a different owner.

There seemed to be four factors associated with the problem blasts; location, amount of powder per delay, combined pre-split and production, and unusual shots.

This mine had the third largest blasts, after Elk Run and Evergreen. When the blasts were the closest to houses (3,600 feet), the problems came from those of more than 900 pounds per delay and in just two of the grids.

With the older blasts, the problem ones usually were again in just a dozen grids and had higher powder factors (more than 1 and as high as 1.5). There were a few other blasts with high powder factors in those grids. But they were mostly just production shots, and did not pre-split at the same time.

As the DEP inspector noted, pre-split shots did prove to be troublesome most of the time. Of the 29 combined production and pre-split shots among the 100 older shots, 22 caused problems.

AMEAGLE/COLCORD/DOROTHY Princess Beverly (Addington)

When you watch a blast go off from the top of Kayford Mountain, it seems like it is in the middle of nowhere. And the blasting logs note that for nearly every blast Stanley Park is the closest protected structure (usually 2,700 to 3,900 feet away). This is the cemetery and campground atop Kayford that was preserved by Larry Gibson.

But the map shows that the southern end of the mine follows Route 1 as it winds along from Whiteseville to Dorothy to Ameagle. Nearly all the blasts take place southwest and south of Stanley Park, putting them less than a mile from Route 1. And it was the Litos brothers, George and Manuel, who kept lists of the blasts that seemed bothersome at their store along Route 1 between Colcord and Ameagle. They even filed a complaint on Sept. 16, 1999 that the blasts vibrated their windows.

A couple dozen other complaints have been filed about the blasting. But some people didn't know which mine was blasting, and didn't know how to contact DEP.

The complaint investigations were only cursory. The only significant finding by the inspector was that the Sept. 16 blast was actually two shots fired in close succession. The

inspector noted this "creates more noise than normal, but would not be out of compliance according to the scaled distance formula."

In fact in another complaint investigation, the inspector wrote: "In the case where it is believed that blasting has caused damage, the DEP's jurisdiction falls within one half mile of the blasting site. According to current laws and regulations, any structures outside of one half mile are not considered in danger of blast damage."

WHAT THE DATA SHOWS

We examined 106 blasts, of which 57 were noticeable enough to be noted by the Litos brothers or cause a complaint.

Again binder shots were a factor, with 19 of the 30 being problematic. As the inspector noted, sometimes two blasts went off nearly simultaneously and fairly close together. This happened 14 times, and nine caused problems. Three of the others were small blasts.

Generally, it was the blasts with larger amounts of explosive per delay that caused problems. The closer they were to the communities (and further from Stanley Park) the more likely the larger blasts were to cause problems. For example, there was not a problem with a blast of 1,392 pounds per delay when it was 2,500 feet southwest of Stanley Park. But there was a problem when the blast was 3,200 feet southwest of the park and had 1,386 pounds per delay.

This was one mine, though, were there was more variation in delays. Theoretically, longer and more delays will moderate the ground vibration. At this mine, longer delays did seem to make a difference in some of the blasts.

For example, on March 8, 1999, a blast of 1,200 pounds per delay went off 3.750 feet southwest of Stanley Park. It did not cause a problem and had delays of 9 ms. 200 ms. and 600 ms. A blast that did cause problems on March 43, 1999, was located in the same area and shot 1,294 pounds per delay. It only had delays of 9 ms. and 200 ms.

PIE Mingo Logan, Arch Coal

Deborah Hatfield has taken her most precious photos and knick knacks off her walls. Too many times, she says, things have fallen off and broken when the mine behind her home let off a blast. One morning in September of 1999, the house shuddered and pictures shook, Quickly she called the DEP Logan office. By now, she knows the number by heart

The blasting is actually just the most recent insult from the mining. For five years, the Hatfields have suffered though one of the worst cases of subsidence from the long-wall mining under the Pie area of Pigeon Creek. The cement steps on the porch shifted, their lawn sank, numerous cracks formed and their well went dry. So it's hard to tell which damage is coming from blasting. It certainty is annoying, though.

Patricia Bragg, the lead plaintiff on the valley fill lawsuit was dragged out of her quiet life as a housewife six years ago when her next-door-neighbor's well went dry just as she

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moved into her new house. Trish was able to get replacement wells for a couple dozen in the community. She avoided subsidence damage, and life with the mine was not overly eventful for a couple of years. Then the blasting began. Her house is older, and the roof has begun leaking. Whether the blasting has caused cracks and shifting is yet undetermined. Just recently, though, the mine offered her (as required) a subsidence survey. That way they would know how the house appeared before long wall mining began underneath.

Over Labor Day weekend, there was not one, but two washouts from the sediment ponds for the valley fill up Nighway Branch behind the Braggs and Hatfields, DEP determined that the mine had not cleaned the sediment and mud out of the ponds, and the muddy water washing off the unfinished fill had no where to go except down Nighway Branch. Bragg's home was spared, but the water went up to the second step of her neighbor's porch (the same one who lost the water six years ago).

It's getting hard to tell where the damage is going to come from next in this little community.

WHAT THE DATA SHOWS

We examined 154 blasts, of which 51 caused problems. When we went to look at the logs, the mine official gave use three sets of files for three different permits. We found that the mine sometimes blasted twice or even, a couple of times, three times within two or three minutes. The mine official said he did not know that was happening. Every one of the 12 occasions that we found resulted in a problem blast.

The Bragg house is about 500 feet southwest of a house that was used as the closest protected structure in at least half of the blasts. This is another mine that shoots a large amount per delay. Ninety of the 154 blasts were more than 600 pounds per delay. Of those, 35 caused problems. A few of the non-problem blasts were about 5,000 feet from the nearest protected structure.

But what seemed to make the most difference was timing. DEP maintains changing timing can make a significant difference. In fact, it is the one change DEP has experimented with. All but seven of those that caused problems used only two different delays. They varied: 100 ms and 42 ms, 100 ms and 9 ms, or 42 ms and 9 ms (all with 500 ms. down holes). On the other hand, 30 of the 55 larger blasts that did not cause problems had more delays, generally 9ms 42 ms and 100 ms, with 500 ms down holes.

The seismograph triggered on 16 of the problem blasts. The frequencies of 12 blasts were within the 4 Hz to 11 Hz range can amplify the shaking of a house. Only two air blasts exceeded 115 dB, however. This mine only had a couple of binder shots with one causing a problem.

VARNEY White Flame

When White Flame blasts on the mountain above Varney Grade School, there's often a palpable shudder at Judy Justice's home, about half a mile southwest of the mine. At

Jackie Keck's house, which is on the road up to the mine on the southeast side, things shake on the wall when the afternoon blast goes off. He's been considering trying to videotape the movement. Keck did some blasting while in Vietnam and other stints in the military. He thinks the solution would be to do a series of smaller blasts, like sections, instead of one big blast. That way there would be smaller amounts of compression to dissipate.

Several people have filed complaints, and Justice kept a detailed log, which often says whether the blast was light or hard. As a condition of its permit, White Flame also had to seismograph the blasts, so there is an extensive record of air blasts and frequencies.

The problematic blasts often seemed the ones with air blasts above 115 dB. Harold Ward, one of the DEP inspectors for the mine, said that over the past few years they have found complaints start when blasts go over 116 dB.

Justice believes her home may be more susceptible to the low frequency ground vibrations because it is newer and built on solid rock. Its natural frequency could be closer to that of the blasts. Indeed, the frequencies of the blasts are generally in the 4 to 11 Hz range.

WHAT THE DATA SHOWS

We examined 134 blasts, of which 63 caused problems.

Air blasts were one factor. Of the 25 problematic blasts for which there was a seismograph reading, 20 were 115 dB or greater. Of the 71 that did not generate complaints, only 16 were large enough to trigger the seismograph. Of those only five had readings of 115 dB or larger.

Amount per delay was also a problem. Of the 42 blasts of more than 700 lbs./delay, 27 generated a complaint.

The frequency readings are quite revealing. Thirty-five of the problem blasts generated a frequency reading. And 28 of those were within the 4 to 11 Hz range that OSM has found to amplify the vibrations of a house. Only 16 of the non-problem blasts generated readings, and only 4 of those were with the susceptible range.

Coal dust

The DEIS should document the numbers of non-miners who live in MTR regions and have breathing-related health problems such as asthma, and coal-dust-related disease such as black lung. The problem with coal dust is related, in part, to coal trucks (see below) and coal trains. Now that trucks are more frequently tarped, coal dust is less prone to roil off the vehicles. But, it still roils off coal trains, often time directly onto nearby homes. (Non-coal dust is still a huge problem with coal trucks, see below.)

Coal dust problems associated with coal processing plants are perhaps best documented for the town of Sylvester, W.Va.

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Jury finds Massey subsidiary liable in coal dust case

By Martha Bryson Hodel, Associated Press Writer, Feb. 7, 2003

MADISON, W.Va. (AP) -- A jury on Friday ordered a Massey Energy subsidiary to pay residents of a coalfield town about \$1 million in economic damages caused by coal dust falling on nearby houses, vehicles and other property. However, jurors did not award any punitive damages.

The six-person jury deliberated about 181/2 hours over three days before delivering its decision against Elk Run Coal Co. in Boone County Circuit Court.

The verdict came in a lawsuit filed by more than 150 residents of Sylvester who claimed Elk Run's operation, located no more than 750 feet from some of their homes, has destroyed property values, making it impossible for them to sell their homes and move.

Residents had submitted 110 individual damage claims seeking total economic damages of at least \$3 million. Jurors awarded a total of about \$1 million, said plaintiffs' attorney Brian Glasser.

One plaintiff, Mary Miller, said Sylvester residents have been "prisoners in our homes" because of coal dust falling from Elk Run's operations.

"I don't want money. My goal is to stop the coal dust so we can live our lives again," Miller said.

Jurors found that Elk Run had created a nuisance and had negligently harmed the plaintiffs. The jury also determined that Elk Run had failed to comply with federal and state surface mining laws by failing to control air pollution or failing to protect offsite areas from damage from its operations.

However, jurors declined to award punitive damages, saying Elk Run did not act with intentional or reckless disregard.

Jurors also answered an advisory question that gives Boone County Circuit Judge Lee Schlaegel the authority to place Elk Run's operation under the court's supervision. Jurors said "yes" when asked if Elk Run is creating a nuisance that is causing damage to any of the plaintiffs.

It will be up to Schlaegel to decide whether to order court supervision of Elk Run's operation.

The trial started in October and jury deliberations began Wednesday.

Because the jury found that Elk Run had violated the federal Surfacing Mining Act, residents will ask the court to order the company to pay an estimated \$2 million in legal fees and costs associated with bringing the case to trial, Glasser said.

He said residents also will ask Schlaegel to require Elk Run to implement a dust control plan the company outlined during the trial. A hearing on the company's dust control requirements could be held within two weeks.

That plan would include covering coal conveyor belts and truck and rail loading points. The number of trucks hauling coal into the plant would drop from 35,000 to 7,000 a year. Residents also want the judge to order that the trucks carry no more than 80,000 pounds, the legal weight limit on most state roads.

"If it's good enough for court, it's good enough for them to follow," said Glasser, whose firm has been working on the case for five years.

After the verdict, Glasser told about 50 plaintiffs: "This will provide some insurance that you won't have to put up with this in the future."

Another plaintiff, Pauline Canterberry, said she was happy with the verdict but feared residents would have to continue to police Elk Run.

"I wish I can say no to that question, but they are people you just can't talk to, and they have been from day one." Canterberry said.

Massey Energy spokesman Jeff Gillenwater said he had not seen the verdict and could

Sylvester residents in the audience applauded the verdict as the jurors were excused.

Unfortunately, Sylvester residents are reporting that the problems are not yet solved. Can the DEIS possibly document the social and cultural toll associated with living in a coal-dust coated town? We repeat, the numbers of people suffering illnesses that could possibly be related to both short- and long-term exposure to coal dust should be documented in the DEIS. How can the EIS assign value for lost time and increased aggravation for people who have to clean their homes daily? Sylvester residents relate having to wash previously washed dishes before meals because dust has settled on them. Elderly people put their health at risk when they undertake frequent, vigorous cleanings of their homes' walls and roofs. Also related to coal dust is property devaluation. Property values for homes and other buildings before and after MTR encroached on a community should be included in the DEIS. Stress again comes into play—both young people and the elderly residents worry that their homes, for which they have worked their whole lives, will be valueless should they have to sell.

Coal trucks

The dust from the big trucks and from the traffic going into the mines is awful and the company knows it's awful, but I almost have to beg the company to put down water to settle the dust. The large supply trucks going to the mines are slowly breaking down the truss bridge, which is the community's only outlet to the main highway. —Richard Bradford (see below: "Comments from individuals.")

Much publicity and political posturing has surrounded the issue of coal trucks in southern West Virginia's coalfields. While the issue is not solely a MTR issue, it is partly. Where coal is

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shipped by truck from MTR mines, the DEIS should examine associated social and cultural impacts. As with all MTR issues, the impacts on peoples' health should be quantified. Fear, worry and stress are big aspects of this issue—which take a real toll on human health. Since people driving the narrow, winding mountain roads have been killed by coal trucks, fear is not unwarranted.

Coal trucks also induce noise-related and other stresses for people who live near coal-preparation plants. For instance, people living along Rt. 65 near the Delbarton Mining Company (in a scenario repeated all around the coalfields) have to put up with intense coal truck traffic. (A Massey Energy processing facility there apparently processes both underground and MTR-mined coal.) Trucks literally rattle the houses all day, from early in the morning until late at night, interrupting sleep. Mud the trucks' tires gather while traveling on the processing plant's unpaved roads dries to dust and flies off the trucks, coating peoples' homes. Sitting on the porch is no longer an option. Garden vegetables are covered in dust. Some people have abandoned summertime back yard barbeques. A walk across the street to get one's mail is perilous, as is pulling out from one's driveway onto the road. All these factors increase stress, and therefore health problems, for coalfield residents. Properties are potentially devalued.

Also, as with all MTR issues, people suffer from disenchantment with the political process. Coalfield residents feel their voices are ignored, while coal industry lobbyists get their way. Indeed, citizens attempting to lobby their legislators on this issue have had doors closed in their faces and have had to sit through legislative hearings where legislators openly consult and consort with coal industry lobbyists. Politicians are so obviously in the pocket of the coal industry that citizens lose faith in the political process. The DEIS should attempt to examine what this means for society's future.

In a June 11, 2002 Charleston Gazette article by Paul Nyden, "Coal truck debaters meet at Riverside High School; Citizen arguments pit safety against jobs," Prenter Hollow, Boone County, W.Va., resident Patty Schok is quoted as saying that most residents did not favor an increase for coal truck weight limits: "Since most southern [West Virginia] residents and the northern truckers and residents do not want a weight increase, it seems to me that the citizens are not currently controlling our state government.

"Instead of government for the people, by the people and of the people, it appears as if it's government for the coal companies, by the coal companies and of the coal companies."

Another issue that the DEIS should examine, quantify and report on is the externalized costs that taxpayers pay when coal trucks from MTR mines damage roads and bridges.

Hernshaw residents fighting coal trucks; Attorney general, delegates offer to help with effort

By Brian Bowling, Charleston Daily Mail . Sept. 21, 2001

Hernshaw residents tired of coal trucks breaking state laws and endangering their lives developed a two-pronged strategy for solving the problem.

One prong is Delegates A. James Manchin and Mike Caputo, both D-Marion. The other prong is Attorney General Darrell McGraw.

More than 70 residents squeezed into a basement meeting room at the Hernshaw Methodist Church Thursday evening for a 90-minute strategy session.

Randall Boyd, the resident who organized the meeting, said residents are tired of dodging speeding coal trucks, having chunks of coal and strips of recapped tires striking their vehicles and coal dust coating their houses and lungs.

"I'm not against coal mining," Boyd said. "I'm not against trucking. But it has reached an unreasonable level."

The residents agreed on several goals including a petition drive to gather 5,000 signatures supporting changes in state law to make it easier for state weight-enforcement officers to document that coal companies are deliberately overloading coal trucks.

In imitation of John Hancock signing the Declaration of Independence, Manchin signed one of the petitions in large handwriting.

"There'll be no mistake where we stand, eh Mike?" he said to Caputo.

Manchin said they attended the meeting at the behest of the United Mine Workers and assured citizens that they would back their efforts even though no one in the room could vote for them.

"Whatever it takes, we're going to try to get it done," he said.

Most of the coal trucks traveling W.Va. 94 through Hernshaw come from Massey Energy Co. mines. The union is campaigning against the mostly non-union Massey to highlight how its operations affect coalfield residents.

The residents adopted Boyd's proposal that they hold a second meeting when the Legislature is in Charleston for its October interims. While the focus will be on talking with the Kanawha County legislators, Boyd said they plan to invite all 134 delegates and senators.

Cam Lewis, head of the Division of Highways' weight-enforcement program, said he's been trying to get the authority for years to use coal loading and unloading records.

"This is the first time in years that anyone in the Legislature has shown any interest," he

He also suggested residents push for a tarp law that would require coal trucks to cover their loads. Currently, an enforcement officer has to actually see coal falling off a truck before he or she can cite the driver for having an unsecured load, Lewis said.

Meanwhile, McGraw told the group that his office could seek injunctions against the companies selling and buying the coal as well as the trucking companies for conspiring to break the current state law limiting trucks to 80,000 pounds.

10-8-2

.70

10 - 8 - 2

Once a judge issues such an injunction, all the companies involved become subject to fines and contempt of court actions if they overload another truck, he said.

Before his office can act, however, it has to receive authorization from the governor.

Coal truck safety weighs on minds of area residents

By Charles Owens, Bluefield Daily Telegraph, August 10, 2003

WELCH - When a coal truck snagged a cable line outside of Jerry Duncan's home in the small Pilbert community, the man realized that congested coal truck traffic along the narrow County Route 13 was getting a little too close for comfort.

"They hit the line that crosses the highway, and it jerked it out of the room that I had fixed for a television room," Duncan said. "It just jerked that cord out, and ended up turning it loose, and it actually jerked the videocassette recorder around. I guess it was jerked out of the little cabinet it was in."

Duncan said the coal truck dragged the cable line about 75 feet down the road just past the residence of Gary Mayor Henry Paul. The incident happened last year, and it wasn't the first time a coal truck damaged the man's home.

"The coal trucks also ripped the guttering off of the side of the house once," Duncan said. "I was laying in bed, and all of a sudden I heard a thump and a roar."

Duncan, and many of his neighbors, have fought in recent years to keep coal trucks off Route 13 between Gary and Filhert because it is difficult for vehicles and coal trucks to pass each other on the small and narrow road.

"It's too narrow for two cars to pass - not to mention a truck." Duncan said, "We don't really need those coal trucks right here. The sidewalk is actually up against the side of my house."

"Me and most of my neighbors live between four bridges that are 16-ton weight limits, and they are already cracking on both ends that connect to the highway." Neve said. "That's due to old age and years of overweight coal trucks. My concern is one day we are going to wake up and not be able to get out of here. But our main concern is for the safety of our citizens here. I would say 80 to 95 percent of the folks who live here in Filbert are all retired. This is more like a retirement village."

Neve said mud and dust from coal trucks also is a problem in the Elbert community.

Comments from individuals

Below are comments (italics added for emphasis) from individual coalfield residents (and a few non-coalfield residents) as given to Coal River Mountain Watch, Delbarton Environmental Community Awareness Foundation and the Ohio Valley Environmental Coalition (original copies enclosed). Many of the people who gave comments to these groups may not have made their own individual comments directly to EPA. Nevertheless, they wanted to share their

thoughts on MTR for inclusion in our DEIS comments. Please pay special attention to the voices of the affected people. These words tell the story of MTR that the DEIS fails to document,

As you read these comments, please watch for recurring themes. Fear and anger are real in the MTR regions. These emotions are not to be dismissed because they are, well, emotions. They arise from the reality of life in the shadow of MTR operations. They arise from facts—health problems, flooding, blasting, political marginalization, loss of culture. They have a real toll on society and culture in the coalfields, which the DEIS must document and address.

Blackwater spills, fear for lives

My name is Patsy Carter and I live on the Tug Fork River. As I watch the heautiful green river, it makes me feel so peaceful and relaxed, then all at once the river turns black from a Massey Coal sludge spill. I am not against coal mining, but we need to deep mine coal and mine responsibly. There is no need to destroy these mountains and streams and our children's future to mine coal.

I fear for my life and my family's life when it rains. I think of ways to run for the hills for my life, from the floods caused by strip mining. I plan to keep my family pictures close to me so that I can save them.

The strip mining is taking everything from us and our children. They will have no future and will never be able to live as true mountaineers as we have and that is part of our children's heritage,

Under this blackened, horrible life we are forced to live with, because of irresponsible mining – this has made our state "Almost Hell" – instead of – "Almost Heaven." The people in Logan and Mingo county need to wake up.

Stop Mountaintop Removal and stop valley fill mining---stop filling the headwaters of our streams.

--Patsy Carter

Blasting damages

Monroe has lived here for 55 years and hadn't had any problems like this:

Mirrored tile fell in bathtub. Had to put up new shower wall.

Water now seeping in basement. Wall cabinet fell - broke all my dishes. (basement).

Had to buy new dishwasher and oven doors wouldn't shut.

Had to have main door repaired. Wouldn't shut enough to lock.

All doors inside house including cabinet doors won't shut good.

Ceiling tile on sun porch falling.

Floor hooved up in living room, dining room and bathroom.

Walls in 3 bedroom bowed out. Tile and mirrored tile in bathroom coming down.

Had to screw paneling back in 3 bedrooms where it came loose.

Counters unlevel now. Furniture stayed. Covered with dust. Pictures wont hang straight now.

All windows have to be screwed shut. Have white shingles on roof, which is now black. Since '95, I have had 3 heat pumps put in.

Blocks in basement cracked. Can see outside - we put silicone in crack. Several large cracks by

meter box outside.

Out building has large cracks – water now coming in cellar

-- Margaret and Monroe Crouch

17-2-2

16-1-2

10 - 8 - 2

Flooding and fear, ruined water

(Comments deliverable at EIS public hearing in Charleston, W. Va.)

My name is Maria Pitzer. These are my children, Jessie and Chrystal Gunnoe. We are from Bobwhite in Boone County. We are against Mountaintop removal. We are a family that lives in the constant shadow of mountaintop removal, valley fills and sturry ponds. The mining around us has destroyed our quality of life. The blasting from the mines is a constant reminder of why our lives have changed so much. My children are not allowed to play in the water that runs through our property because the ponds run straight into it. The aquatic life in this stream is all but gone. Catching bait or fishing is a waste of time now there isn't anything there to catch, unless it would be some incurable disease. Who can say that, with the utmost certainty, this will not endanger my children's health? You, the panel of people who say that what the mine companies are doing is okay. I'm sorry but this has not yet been a trustworthy source.

I have lived on this same property for 35 years of my life. In the same town with the same people, that's all saying the same thing "Mountaintop removal is going to run us out of our homes and off our land like it has so many before us" and I'm beginning to wonder, are they right?

We were flooded in 2001-3 times. With each rainstorm the creek and river fills up more with rocks and debris. In 2002 we were flooded once again. The creek now runs much deeper and faster than it ever has. Then on June 16th of 2003 we were flooded horribly. The storm was what the mine company called a once-in-a-hundred year storm. I heard it was an act of God, which is like saying that the Buffalo flood was an act of God. I remember when I was a child it rained until I was running in water to my knees in this same yard that is now gone. These catastrophic floods didn't happen then. Why are they happening now? MTR is why. I'm not sure what all the scientific tests tell you, but Common sense tells me that if you pour water onto a rock it's going to roll off, if you pour it into soil it will absorb.

The flood on June 16th has ruined our life. The rains came and the hollow coming through our property rose so fast that we didn't have a chance to react. We were trapped in every direction, The river running by me was still clear and the hollow washing into this river was raging. I was being flooded by a stream that 3 years ago, before the stripping started, I could step over. Within 3 hours after it started raining we had lost almost everything. The water coming by me was sent in on mudslides that filled the creek and move the water closer to our house. The mudslide tore through my barn and through my orchard of fruit trees, where there was one of our dogs was tied out. The water and mud came so fast that we couldn't get our dog out. The next morning his collar was lying in the water's new path. As the water and mud continued down it filled a 5-foot culvert that had just recently been put back in from the storms of 2001. From 1981 until 2001 it was 3-foot culvert. It was part of our access. The water washed around the 5-foof culvert and took out my septic system, my bridge and all of my drive way and most of my yard. My yard now drops into a 15-foot crater. It's not safe for my children to play in their own yard. The entire path that this creek took through our property has been destroyed. There is still more mudslides in this creek's path waiting to come out. The quality of our well water has compromised to say the least. Up until the 16th we had good water but now it's terrible. We are now carrying water.

Thank God that the flood water and mud stopped 20 feet short of our house. Our house as of right now is okay. OUR HOME IS DESTROYED! The life that we have always known is now non-existent. Hikes through our own land are now unsafe. We have so many slides and mining breaks. We are of Cherokee nationality and we have always been taught to live off the land. This heritage will no longer be passed down because it is being destroyed with each blast. Everyone that has a hand in allowing this mining practice to continue is allowing WV and its heritage to fade away. We the people of WV are going to pay the ultimate price. We have to live here after the coal is gone. The mine companies don't care to leave us in ruin and leave our people poor. Leaving for us would mean a complete change of lifestyles, something we are not willing to do.

As a family we use to love to sit on my front porch and watch a storm come and go. Now it terrifies us to see a storm come. When the rains start everyone gets scared of what going to happen next? If it's raining no one in our house sleeps. My daughter at 9-years- old is constantly worried with the mining going on around us. She seen a sticker that said, "Coal keeps the lights on." She replied by saying, "Yeah, but the trees keep our air clean. She knows what affect MTR, valley fill and ponds are having on us. Yet the college-educated scientist is still looking for the reasons we are all getting flooded so horribly, so often. Hopefully this will open up your eyes and make you see that the community impact of MTR is simply devastation. The rights of people in Baghdad it seems are more important than the rights of the U.S. Citizens. I know our rights to life, liberty and the pursuit of happiness are pretty much gone, thanks to MTR and its practices. If you can sleep with yourselves, I guess we have no choice but to stay up with the storms.

-- Maria Pitzer

Surface mining destroying Whitesville

I wanted to voice my opinion AGAINST Mountaintop Removal Valley Fill mining. This mining is NOT producing jobs, just the opposite, it is destroying jobs

The town of Whitesville is dying with each new surface mine. The surrounding communities are disappearing from the effects of Mountaintop Removal, the blasting and the flooding. The animals are running from the hills from lack of habitat, and are coming down into our homes and wards.

The blasting is destroying people's homes, and then we have floods caused by this type of mining. Our children will NOT have a place and our mountain culture and heritage is being destroyed with each mountain.

We are the poorest people and we live in the coal rich counties. Why?

The coal companies DO NOT put anything back of economic development. There is NOT one development site on the 90,000 acres destroyed in the Coal River Valley. The coalfield schools are being closed and as a matter of fact - 2 schools were closed this year, and both are within 1 mile of many Massey Energy mines. Coal is NOT giving anything back.

President Bush should come to these hollows and talk to the people who live with the effects of this mining. The recommendations in this study is pure HOGWASH!!!!!!!!!

P.S. I live in the coalfields, born and raised.

--Lisa Henderson

40

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10-2-2

39

17-2-2

Brother left homeless by floods, doesn't find wild things in the mountains anymore

My name is Jack Brown. Jr. and I live at 104 Finley Circle in Walhonda Village, which is in the Clear Creek Hollow. I am a lifetime resident of the great state of West Virginia. I was born in 1935 at Edwight, WV and my dad was a retired coal miner. I watched him die of black lung 6 wars ago.

When I was a small boy living in the coal camp at Edwight, Whitesville and the surrounding areas there were thousands of coal miners working in the mines, not like today when only a few work in the mines.

I have seen the streams run black with coal dust. But not the whole tops of mountains leveled. The sludge dams they have built and the water they have polluted, coal trucks ruining the highways—for only a few real jobs? Believe me, I am not against jobs.

When they polluted in the old days, at least 10's of 1000's of coal miners had good paying jobs. Then the let down happened; the mines shut down and the coal market dried up, people left the state to find work.

But here we go again. Big coal companies have found a cheaper way to get the coal. Not like my dad got it, but by removing 1000's of mountaintop acres, filling in the little hollow streams. I used to catch spring lizards for fish bait. We don't find the wild things in the mountains like that any more.

Big coal has bought and paid for politicians they own and don't give me much of a say so in the matter. They promise me better, but big coal uses their money to change the laws to suit them.

I watched the flood waters wash over my brothers house, killing his animals and leaving him homeless. I saw what happened to Boger Hollow and Sycamore Hollow when the sludge ponds broke. I watched my friends and neighbors cry wondering what to do next. Now what did big coal do? Not our fault: an act of God: It wasn't our fault the dam busted and you cry-babies lost everything you had.

In finishing this little letter—I'm going to stay here in my little home and I'm going to fight with the big coal for a decent place to live without a polluted environment like we have now and not one law maker to go to bat for me.

I guess I'll be fighting for a long time or at least until someone does something to stop this land raping, polluting the water like big coal is doing. Oh yes, before I close, the Governor of our State will only be a one-term governor, so if you can stop the raping of my beautiful mountains and stand up to big coal. Please give me your name. I want to stand behind you and support you for governor.

-- Jack Brown, Jr.

Cost of buying drinking water

I live in the city of Lexington, which is in the Bluegrass region of Central Kentucky. Most of the population of the state is here in Central Kentucky. We get our water from rivers such as the Cumberland, Kentucky, and Licking Rivers. All three of these rivers originate in the mountains

of Eastern Kentucky, where mountaintop removal is annihilating watersheds and contaminating our water supply. We, who live here in Central Kentucky, are forced to pay for the cleanup costs of mountaintop removal through extra water purification costs that are passed on to us through our water bill. And you can't tell me that the water's clean, even after all that processing at the water plant. It just means they have to put more chemicals in, which pollute our water further. The heavily chlorinated smell of the water around here makes me sick - and here's another indirect cost of mountaintop removal that's passed on to me every day: I buy filtered water from the health food store, which I cannot afford. Because of health conditions, I drink a lot of water, and these costs add up. Mountaintop removal is breaking my bank while it's ruining my state. --Perrin de Jong.

Kentucky Heartwood P.O. Box 555 Lexington, KY 40588

Massive Ruination

Mountaintop Removal is Massive Ruination, not only to the beautiful Appalachian Mountains of West Virginia, but also to every creature whose existence depends on these mountains for their survival, from the streams covered by Valley Fills to the valleys below, where citizens dwell.

It leaves barren lands, valleys filled with debris and polluted streams and airways from rock dust and coal dust. It destroys land, citizens' possessions and their health, it leaves slurry impoundments of toxic disposal seeping into our water table.

What once started as an asset to the State of West Virginia has become a liability and the State of West Virginia taxpayers are paying for their damages.

Hazards of Mountainton Removal

- Barren Mountains
- Endangered Species
- Endangered Trees
- Flooding
- Toxic Valley Fills
- Air Pollution
- Contaminated Water
- Destruction to Citizens Property
- Blasting Damages
- Health Hazards
- · Damaged Highways
- Damages Bridges
- · Unsafe Run-off ponds
- Slurry Water Spills
- Dammed-up Rivers
- --(Not signed)

Psychological scars

My scars from mountaintop removal have been more psychological than physical

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1-9

A-674

All my life, I have been free to roam the mountains and valleys near my home. Now, I would be considered a lawbreaker and a trospasser if I were to go back to these places. The first thing a coal company does when it takes a lease is to build a gate, hire security guards (whom they dress as county deputies to intimidate the public), and install cameras to limit access. I consider this to be an infringement of my civil rights.

10-2-2

Sometimes a blast from a nearby mountaintop surface mine will rattle the windows and doors in my house, even to the point of hearing the sheetrock tear from the nails in the ceiling, and if the blasting gets closer the whole house may slip off the props holding it up and slide onto the railroad tracks down below.

And maybe a large boulder from the cliffs up above the house will be dislodged by the blasting and destroy the house.

16-1-2

I have Public Service District water, but I also have a deep well, which I hope will not be harmed by the blasting.

The dust from the big trucks and from the traffic going into the mines is awful and the company knows it's awful, but I almost have to beg the company to put down water to settle the dust.

The large supply trucks going to the mines are slowly breaking down the truss bridge, which is the community's only outlet to the main highway.

15-2-2

My yard is full of squirrels, rabbits, and bears that have been chased out of the mountains by the blasting of the strip miners and by the logging, which is a precursor to mountaintop removal stripping. The little animals coming out of the mountains are nothing more than skin and bones because their food source has been removed. I love to feed these little animals, but I would like to see the coal companies and logging companies pay part of the feed bill.

I would say that mountaintop removal strip mining has had a severe impact on my life and the life of my community.

-- Richard A. Bradford

Delbarton, Mingo Co. citizen concerns about coal waste impoundments, coal dust, blasting, floods

1.

I, as a resident and business owner of Mingo Co., think if you build these ponds around residents you should buy us out and relocate us. Don't put people in danger. Coal is not worth our health or our lives. Put in mind first, I'm all for mining coal but do it sage and there won't be no problems. After all as a owner of a pizza place, if I don't do it right the people would put me out of operation. So lets do it right and there wont be no problem. And I wouldn't blame them.

P.S. So do it right. That's the only way!

-- Troy Columbia

2.

Coal waste impoundments are an accident just waiting to happen. I base this opinion from past experiences; Buffalo Creek, Logan County, WVa. And Wolf Creek Martin County, KY.

Also I can see no possible way that the people in this valley could be evacuated in case the impoundment fails.

--William Hall

3.

I am opposed to the slurry pond impoundment. With all the rain I an afraid it will break and we will have a disaster like Buffalo Creek. I live below the pond, in a valley, and if it breaks there will be no place to go fast enough to reach safety, live are endangered here, also the more they blast and mine, the worse our water gets – the dust is awful.

—Dottie Maynard

4

We have noticed some cracking in our sidewalk. We would be very concerned if a pond was installed in our area. We don't want to see another disaster from this action. A crack in the sidewalk is very minor compared to the disaster a pond would possibly make. We can live with sidewalk cracks, hopefully that's all that will occur.

-- Gary and Brenda Hunt

5.

I am against blasting and the mining underground. If they were to mine we would be forced to move yet again from the area. Slurry ponds are not a necessity around such a rural area. They wilt cause grief and worry for residents all around Hull Creek as well as Hull Creek Hollow. Also Mountaintop Removal causes sludge to fun into streams, creating even more unsafe water for all life, not just humans. We must take care of what we've got, because if we don't do something, some heartless bastard will!

-Bobby Sturgill

6.

Structural damage, cracks all in garage floor, crack in blocks and cracks (hair line) all over driveway, one large one, caused by blasting in early morning hours. Value of the property dropped when studge pond was approved by state. We were declared as fiving in high-risk zone. Noise from mine equipment day and night, and coal dust damage. Several occupants would prefer to relocate, and would like to be bought out for a fair market price and relocation expenses. New garage, cement and home improvements app. 5 yrs. old.

-- Fred Smith, Delbarton

7.

I worry about the safety of my children and grandchildren. I don't think these impoundments can be made safe. The underground mining in the area could affect this impoundment. The mineral rights I own can never be recovered because of the presence of this coal waste impoundment. It has devalued my property. The added truck traffic and trains have made our lives miserable. Our well water quality has been affected as well.

-- James F. Maynard

8.

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Living near a coal waste impoundment, not only depreciates the value of the property for the home owner, or puts the ground water supply into question, or anxiety during heavy rain periods, thinking this may break, but it devaluates life itself.

To anyone not living in the coalfields... we are giving up our environment so you may light yours. Please think of us hillbillies, when flipping your light switch.

--Walter Young

9.

Having a coal waste impoundment within a quarter mile upstream is a very anxious situation, not to mention the dust and coal truck traffic every day, which is a very unhealthy environment to any one. Just wonder what it is doing to our underground water supply, just to put in words, its like living in exile, it has destroyed our way of life.

-- Carol Young

10.

First you wonder what the coal companies are releasing into the water. If it will make you sick or cause death before your time. If it don't kill you, the next thing you worry about is if this thing burst will you be alive or if everything you work for will be destroyed. You live in a "panic" from one minute to the next and if it rains from 2 or 3 days you get very anxious. I don't think this is any way to live! Next you wonder what these coal companies are hiding.

—Leroy Runyon

11.

Fear, anxious, panicky, afraid – these are a few words I use to say how I feel about coal waste impoundments. When the TV or radio give a flash flood warning you wonder if you are going to be alive the next minute or not. If it is going to be another Buffalo Creek or Martin County. You wonder what the coal company are releasing from the coal impoundment in the water tables that you are drinking and why are they so secret about these coal impoundment.

—Geneva Runvon

12.

My family and I feel threatened by the presence of the impoundment that is constructed at Delbarton Mining Company. When it rains heavy, we worry what could happen if it broke. We are also concerned about how the underground mines will affect the stability of the impoundment. Also, there is more dust in the area, which is hurting people and causing breathing problems.

-- Larry and Alisa Maynard

13.

Blasting shakes my foundation. Coal dust is all over everything. 18-wheelers running overloaded way too fast. Our well water is mined. The slurry pond is too dangerous for all of us that live here in this area. So many of the ponds break for different reasons. Don't want to be one of the ones to get washed away.

--Betty Wilson

14.

The fact that no one let me or my family know about the sludge pond at the mine site really upsets me. It's a scary thing to think that it could break and wash us away like other sludge ponds has done in other places and to see this in newspapers and on TV. I would really hate for this to happen in my neighborhood. I have two children I try hard to protect. I can't protect them from this!

--Dorothy F.

(End of comments from Delbarton residents.)

Ecocide

MTR descrates the earth God made for us all to be good stewards of and destroys this earth that future generations will depend on to live. Whole ecosystems are being wiped out along with streams that supply water and valleys where crops can grow. This is a crime against Mother Earth and her people and affects the wellbeing of the whole planet.

--Barbara Warner 1955 Tatum Lane Lebanon, KY 40033

Lost Tourism

I love to visit the mountains. If the mountains are gone, there will be no reason for me to visit. I do not care to visit a MTR site or a valley fill, even a "reclaimed" one. I don't think we should be replacing out natural landscapes with non-native organisms. We must stop destroying God's gifts.

Ray Barry Lexington, KY

Holocaust

I wish to enter my comments into the record about mountain top removal.

I was born in WV and have lived here all my life except for a short period of time. I am deeply concerned about this type of mining, as it will effect the environment harshly. This will destroy streams, forestland, fish wildlife, that were created by God. We need to protect it from this certain destruction and i believe it is mankind who is in charge of this task.

I do not believe the system in place is going to do anything but allow for the destruction of the land for many years to come, maybe forever. This type of mining is too destructive and should not be allowed. The coal mining jobs will be lost to big shovel and fast moving coal trucks and nobody is going to benefit but the few on top of this action. The human society will be the looser, fisherman, hunters, fresh water drinkers, coal miners, homeowners, wildlife lovers, wood producers etc.

I make these statements not for myself but for the human beings who have to live after this holocaust takes place, if we allow it to happen. We are very short sited if we do not see what perils lies ahead for us.

Sincerely, Larry Dadisman

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912 Greendale Dr. Charleston, WV 25302

Left out information

Why wasn't the "No Mountain Top Mining Alternative" assessed as one of the final alternatives?

A "No Action Alternative" was assessed. This alternative is unacceptable to most people (except perhaps the coal industry) and probably won't be selected.

Banning MTR is certainly not impossible. Other horrible environmental practices have been banned in the past (such as use of DDT, ozone depleting compounds, building of hazardous waste landfills in WV, construction of nuclear power plants, etc.).

Sure, the coal industry may not be able to mine coal as cheaply or quickly. Our electric bills would probably go up. Fine. That might only serve to make alternative and cleaner energy sources closer to becoming reality, sooner.

But, consider the positive impacts of the "No Mountain Top Mining Alternative." I would have like to have read about the impacts of this alternative.

In my opinion, this EIS is flawed and unacceptable, because it did not list the "No Mountain Top Mining Alternative" as one of the final alternatives.

--Mei Tyree

Disenchantment with the political process

What is the social and cultural fallout when people stop believing in the democratic process that is the foundation of our nation? Will the EIS address this?

People in the coalfields have witnessed so much corruption that it is hard from them to continue participating in the political process. Why bother? This, of course, is what the coal companies and their most attendant politicians and so-called regulators would most like to see—a silent, complacent, demoralized and politically inactive population.

Coalfield residents have seen it over and over—the coal industry's reckless disregard for laws written to protect the people and the environment. When citizens have made headway, via lawsuits and/or organized citizen action, to get laws enforced, the rules and laws are changed, and rarely, if ever, are they changed in a way that benefits coalfield residents.

Although West Virginia ranks 49th in per capita income in the country and dead last in median household income, the state ranks at the top in per capita expenditures on various forms of corporate welfare. For instance, under the administration of former coal executive Governor Cecil Underwood, the coal industry escaped more than \$400 million in Workers' Compensation Fund debt.

Coal has been the dominant player in West Virginia's political scene for more than a century. Growing campaign contributions from coal sources fueled the 1999 state legislature's resolution supporting "all methods of coal mining," a resolution that was specifically directed at mountaintop removal mining. A tax law passed in 1999 has dramatically reduced coal property

taxes, while increasing the tax rate on individual property owners. In the 2000 and 2002 state legislative session, coal's legislators killed a bill that would have set stronger enforcement mechanisms for overloaded coal trucks. Also in 2002, the coal industry received a \$2.5 million break in the amount they are required to pay for their water pollution permits.

According to the West Virginia Peoples' Election Reform Coalition (PERC), Governor Bob Wise did not receive as many coal dollars during his election campaign as the bought-and-paid for Cecil Underwood. Nonetheless, 15 percent of all contributions to Wise's inaugural ball (\$105,000 in \$5,000 donations, enough to buy 21 tables at the ball) came from coal industry sources. Total coal industry contributions to Governor Wise for his 2000 election campaign and inaugural amounted to more than a quarter of a million dollars.

The governor raised over \$70,000 at a re-election fundraiser in March of 2002 while the legislature was debating increasing the weight limits for coal trucks. Most of those contributions came from coal companies, coal haulers and land holding companies. For instance, Wise received \$20,500 from employees and spouses of Riverton Coal and its parent company RAG Coal International. This is the largest single-day giving to Governor Wise that PERC has seen from any array of individuals associated with one corporation since it began monitoring campaign financing in 1996.

The coal industry got its coal truck weight limit increase.

This is just one recent example of the coal industry's dominance of the political process (as is the DEIS, with its absurd recommendations vis a vis the science contained in the document.) How will the EIS document coalfield residents' loss of faith in the political process upon which our government is based? What weight will be given to the impacts this erosion of faith in the system has on society and culture?

Externalized costs

While an EIS is not supposed to examine economic issues, this DEIS does, but in a very skewed manner. So, if you want to bring economic studies into play, how about a little balance? The EIS should examine ALL the externalized costs associated with mountaintop removal / valley coal mining. Taxpayers are left footing the bill for massive clean up costs associated with MTR-exacerbated flooding. Taxpayers pay for MTR-related tax credits given to the coal industry, such as the billion dollar super tax credits that were supposed to create jobs, but which actually helped coal companies purchase the massive draglines that replaced human workers in droves. Taxpayers also pay out millions when citizens have to resort to the courts to get regulatory agencies to enforce mining laws. Long-terms costs of the environmental degradation associated with MTR are unknown, but should be identified and quantified.

Unreported in the draft EIS are what the current and future costs to society are in terms of:

- MTR-exacerbated flooding;
- · reclaiming abandoned mine lands;
- · disrupted hydrological systems;
- · drinking water replacement;
- · lost hardwood forests' potential lumber value:
- · coal waste impoundment disaster-avoidance and/or disaster clean up:

11-9-2

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11-9-2

- · lost value of life-essential ecosystem services;
- · lost way of life (see below: "Lost culture / way of life")
- altered microclimates and regional climate (as an example, the destruction of millions of trees reduces the transpiration of water, which affects both humidity and air temperature; also, the loss of hundreds of thousands of acres of forests canopy--shade--and the tops of the mountains themselves also affects weather patterns);
- declining political participation as government collusion with coal industry operators decreases public faith in the democratic system.

The long, and as yet, not-fully-identified list of externalized costs bring more negative social impacts. When real production costs are foisted off onto communities, governments and the environment, the true costs of coal are suppressed. MTR companies can sell MTR-coal for a price that does not reflect the true cost, since the company is not paying those costs. This sustains the market for MTR-coal, and decreases the competitiveness of other energy sources. This delays the inevitable rise of truly cleaner, alterative energy. Coalfield residents are thus denied a chance at the jobs available in truly cleaner alternative energy sources, as well as the environmental benefits associated with truly cleaner alternative energy sources.

By allowing coal companies to externalize costs associated with MTR and thus delaying the switch to cleaner forms of energy, government is allowing global society suffer greatly, perhaps catastrophically, as global warming increases. According to a Dec. 30, 2003 *GreenBiz.com* article "Global Warming Insurance Claims Grew to \$60 Billion in 2003":

MUNICH, Germany, Dec. 30, 2003 - Munich Re, the world's biggest re-insurance company, has attributed a sharp increase in weather-related disasters around the world to global warming.

In its latest annual report, the company — which insures insurance companies — puts the combined cost of this year's global natural disasters at more than \$60 billion, about \$5 billion more than the year before. Insured losses increased to about \$15 billion, a jump of \$3.5 billion from the previous year. The number of natural catastrophes recorded was around 700, roughly same level as 2002.

The report also found that more than 50,000 people were killed in natural catastrophes worldwide, almost five times as many as in the previous year. The company attributed the jump to the heat wave in Europe and the earthquake in Iran, each of which claimed more than 20,000 lives.

(As an aside not directly related to DEIS comments, it is interesting to note that global-warmingrelated disasters killed far more people in 2003 than terrorists did, yet the US government is opposed to taking any meaningful action to curb global warming. This observation does prompt the DEIS-related question: Are our national priorities to sustain the systems that sustain life (and thus the economy) or to make the quickest buck possible and let future generations attempt to deal with the mess?)

In an Oct. 14 Sacramento News & Review article, "We're Melting," Melinda Welsh writes:

Ultimately, there is little doubt that we are creating a future in which large portions of the Earth will be flooded routinely; huge storms regularly will cost thousands of lives and cause billions of dollars in damage; mass migrations will be likely; and famines and droughts will starve and kill large numbers of people, especially those living in the Third World.

The final should itemize and quantify all current and future MTR-related externalized costs, especially from the perspective of ecological economics, rather than the increasingly outmoded, traditional field of economics (which condones industries externalizing costs onto society as a whole with no regard for ecological reality).

From the Stanford Report, December 1, 2000:

How much is an ecosystem worth?

It's easy to put a price tag on timber harvested from forests or copper mined from the ground, but can we put an economic value on the less tangible services ecosystems provide, such as water purification and flood control?

A group of 30 scientists, lawyers, conservationists, economists and policymakers recently came together at Stanford to discuss novel ways to market "ecosystem services" with the ultimate goal of protecting the ecosystem itself.

...ecosystem services are the processes through which natural systems support human life by purifying air and water, detoxifying and decomposing waste, renewing soil fertility, regulating climate, preventing droughts and floods, controlling pests and pollinating plants.

Watersheds may be among the most marketable of all ecosystems, according to several panelists, because they provide essential services such as water purification and flood control.

In "The Value of the World's Ecosystem Services and Natural Capital," Robert Costanza et. al (http://essc.colorado.edu/ISIE/ecoyalne/) write:

The services of ecological systems...are critical to the functioning of the Earth's life-support system. They contribute to human welfare, both directly and indirectly, and therefore represent part of the economic value of the planet. For the entire biosphere, the value (most of which is outside the market) is estimated to be in the range of US \$16-54 trillion per year, with an average of US\$33 trillion per year. Because of the nature of the uncertainties, this must be considered a minimum estimate.

Historically, the nature and value of Earth's life support systems have largely been ignored until their disruption or loss highlighted their importance. For example, deforestation has belatedly revealed the critical role forests serve in regulating the water cycle—in particular, in mitigating floods, droughts, the erosive forces of wind and rain, and silting of dams and irrigation canals. Today, escalating impacts of human activities on forests, wetlands, and other natural ecosystems imperil the delivery of such services.

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Many of the human activities that modify or destroy natural ecosystems may cause deterioration of ecological services whose value, in the long term, dwarfs the short-term economic benefits society gains from those activities.

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We believe that land use and development policies should strive to achieve a balance between sustaining vital ecosystem services and pursuing the worthy short-term goals of economic development.

Short-term profit for a handful of individuals comes at great long term cost to all of us and our children and their children. Can't the EIS at least give us a total accounting of the externalized costs associated with MTR? If not, why?

Flooding

I fear for my life and my family's life when it rains. I think of ways to run for the hills for my life, from the floods caused by strip mining. I plan to keep my family pictures close to me so that I can save them. —Patsy Carter (see above: "Comments from individuals.")

As a family we use to love to sit on my front porch and watch a storm come and go. Now it terrifies us to see a storm come. When the rains start everyone gets scared of what going to happen next? If it's raining no one in our house sleeps. My daughter at 9-years-old is constantly worried with the mining going on around us... She knows what affect MTR, valley fill and ponds are having on us. Yet the college-educated scientist is still looking for the reasons we are all getting flooded so horribly, so often. —Maria Pitzer (see above: "Comments from individuals.")

Several agencies (WVDEP, OSM, ACOE and USGS) have done the studies, which support both common sense and historical fact. Denuded landscapes cannot manage water the way intact ecosystems can. Deadly disasters related to the denuding of forests (and heavier storm events linked to global warming), which can be likened to the deforestation associated with MTR, recently have been garnering headlines: mudslides after the wildfires in California; landslides and floods in the Philippines and Thailand. Remember, too, in West Virginia our national forests were established to ease the flooding that ravaged the state after it was clearcut in the early 1900s. MTR is the ultimate clearcut. Simply put, MTR exacerbates flooding.

You've got the first hand accounts from people who have commented directly on the DEIS and from individuals' comments contained within this document. You've got the news stories. You've got the studies. And you've got your politically-motivated, ecologically-ridiculous recommendations. What you don't have is documentation of the social and cultural toll of MTR-exacerbated flooding.

Since 2001, 15 people have died in floods in southern West Virginia. (This figure does not include the two people who died in the widespread floods of mid-2003, which occurred both outside and inside MTR regions.) Coalfield residents know some of the recent flooding is directly attributable to the surface disturbances and valley fills upstream from their communities. The clean up and repair costs for the floods that victims see as clearly linked to MTR (and virtually unregulated logging) has topped hundreds of millions of dollars—an externalized cost which should be reported in the EIS.

Families living near MTR operations and/or coal sludge impoundments have told us (groups like Coal River Mountain Watch and the Ohio Valley Environmental Coalition) that every time there is a heavy rain happening or predicted, they worry excessively. It is no rural myth that some children and their parents will sleep—well, attempt sleep—in their clothes when a heavy rain is happening or predicted. Some children feign illness if the rain comes early on a school day—they don't want to be separated from their parents should the floods come. Some people keep their car trunks packed with precious possessions, such as family photographs, just in case they should have to flee for their lives as water rises. The constant fear and lack of a feeling of security must take a toll on people's health. The anger too, at the coal companies' denial for any blame, must affect health. Families may suffer and break apart under the strain. These are social and cultural effects of MTR that the EIS must examine.

In June 2003, a deluge poured off a mountaintop removal site above the 50-year-old home of Maria Pitzer. The operation started above her home a couple of years ago.

The Charleston Gazette reported:

Ten miles away, Maria Pitzer had problems of her own. It had barely begun to mist rain, and suddenly the creek in front of her house rose two feet.

Of course, the creek hadn't been itself since June. That's when a heavy rain washed off a strip mine on the hill above Pitzer's 50-year-old house and stashed a ravine through her yard. 12 feet deep and 60 feet wide in spots. The floodwaters ripped her dog from his collar, and would have swept her 9-year-old daughter from Pitzer's arms if she hadn't slung the child across her shoulders and waded to safety.

Since that day, every time that creek rises the tiniest bit, Pitzer panics for herself, her husband and her two children. This time, she suspected the mine had let off water, thinking the rain might overflow the pond. She called the state Division of Environmental Protection. What's going on? she asked. The inspector said he looked at the mine ponds. Everything seemed to be working OK, no breaks.

But Pitzer has to wonder: Is this what happens when everything's working OK?

"It'll be 12:30 at night, I'm laying in bed, and it'll sound like the creek's up," Pitzer said. "So I'll get a flashlight and go out, and sure enough, it will be," Rain or no rain.

"That makes it hard to sleep. You never know what it [the creek] is going to do. Nothing in my life is normal anymore."

Pitzer still displays her homemade sign alongside the rubble-filled ravine where her yard once was: "Stop MTR [mountaintop removal]."

But. Pitzer said, "Even if they would stop the mountaintop removal right now, we'd still be dealing with it tomorrow and the day after and the day after.

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"Our future is basically trashed, and it seems like nobody gives a crap."

The increased risk of flooding in MTR regions is taking a psychological—and thus physiological—toll on people, which should be documented in the EIS.

As in almost all MTR-related social and cultural impacts presented in this document, the increased likelihood of flooding for MTR regions is probably contributing to the devaluation of personal property. This also should be documented in the EIS.

Falling property values

Sylvester resident Mary Miller has an immaculately maintained large brick home, with hardwood floors. Her property used to be valued at \$144,000 (and would be worth much more in a larger city), but she says it was recently reassessed at a \$12,000 value. This home represents the life savings of Mary and her husband and was their retirement safety net—until coal dust from a near-by Massey Energy coal processing facility began coating the town. There may be other factors that have contributed to the home's devaluation, which in themselves may be linked to the encroachment of mountaintop removal (dwindling populations, school closings).

Throughout MTR regions, homes are losing value. Blasting damages properties and ruins water supplies. Potential buyers are scared away because of fears of future flooding, worries about potential coal sludge impoundment failures, coal trucks, coal dust, groundwater and surface water contamination, lost recreational areas and lost beauty and serenity. The EIS must assess property values in communities both before and after MTR operations begin. How can the EIS make an accounting of the social and cultural costs to families whose property is losing value? What does this loss of value mean for people's current financial status and that of future heirs? What does it mean for communities and their tax revenue? How much wealth and tax-base is being lost?

Lost culture / way of life

The life that we have always known is now non-existent. Hikes through our own land are now unsafe. We have so many slides and mining breaks. We are of Cherokee nationality and we have always been taught to live off the land. This heritage will no longer be passed down because it is being destroyed with each blast. Everyone that has a hand in allowing this mining practice to continue is allowing West Virginia and its heritage to fade away. We the people of West Virginia are going to pay the ultimate price. We have to live here after the coal is gone. The mine companies don't care to leave us in ruin and leave our people poor. Leaving for us would mean a complete change of lifestyles, something we are not willing to do... I know our rights to life, liberty and the pursuit of happiness are pretty much gone, thanks to MTR and its practices. —Maria Pitzer (see above: "Comments from individuals.")

Our children will NOT have a place and our mountain culture and heritage is being destroyed with each mountain. —Lisa Henderson (see above: "Comments from individuals.")

The Appalachian Mountain Culture is, of course, unique in the world. Mountaintop removal is destroying the landscape that created and supports that culture. THE DEIS

fails miserably to document and make recommendations to abate this loss. The agencies in charge of creating a valid scientific EIS on MTR must make every effort to exhaustively study and quantify the social and cultural impacts of mountaintop removal. At the very minimum, the social and cultural effects of MTR removal listed herein must be taken into account in the final EIS. The final EIS recommendations must accurately reflect these effects and must include recommendations for actions that will relieve and eliminate the negative social and cultural impacts of mountaintop removal / valley fill coal mining.

Cultural continuity is in jeopardy because of MTR. Where MTR operators have already completely bought out/driven away entire communities, there the local culture is dead. Where culture dies, so dies the knowledge of previous generations: how to cane a chair, how to build a fiddle, how to weave a basket, how to harvest ginseng, medicinal uses of plants...the list could go on and on.

Some cultural impacts associated with MTR:

- · Destruction of communities:
- Displacement of families with ancestral ties to land and community;
- Loss of free access to cemeteries (all known family cemeteries should be identified and registered);
- Loss of the connection with ancestors and future generations;
- · Loss of community history:
- Loss of gardens (some have been ruined by sludge spills, some people are forced to leave the land where they once gardened) and associated loss of income (have to purchase more foorl):
- Loss of hunting and fishing grounds, and associated loss of income (have to purchase more food):
- Loss of harvestable understory herbs (ginseng, black cohosh, ramps, etc.) and associated loss of income-supplements and medicinal remedies;
- Loss of independence (the loss of harvested forest products (the "second" paycheck) for the family to consume could increase the need to make more money);
- · Loss of traditions that instill honor and pride and self-worth;
- · Loss of biological diversity and uses of that biodiversity by locals;
- Loss of soil and seedbank essential to maintaining biodiversity used by locals;
- . Loss of hiking trails, rock climbing areas:
- Loss of health related to lessened physical activity;
- . Loss of streams for children to play in:
- · Loss of sense of spiritual connection to the land, or sense of belonging:
- Loss of renewable timber harvest and orchards and associated loss of income;
- Loss of knowledge base of traditional skills developed over generations (herbal medicine knowledge and other learned skills);
- · Heightened stresses upon individuals and communities;
- · Loss of property value;
- Loss of peace of mind (worry and fear and anger over contamination of water, air; falling property values; flooding; coal trucks; future);
- Loss of sleep (worry, fear, anger);

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- Loss of sense of awe that comes from gazing at night sky (MTR operations can be a source of light pollution);
- Loss of quiet, which is very important for some people in terms of both their health and spiritual wellness;
- · Loss of beauty and landscape as source of inspiration for art, music, prose and poetry;
- Loss of faith in democratic process / political system;
- Rise in fear of intimidation (fear of organizing via door-to-door tactics; fear of expressing one's opinion openly);
- Infringement upon right of free speech (fear of expressing one's opinion openly due to intimidation);
- Rise in health impacts for individuals and entire communities, with the possibility that some are suffering from post-traumatic-stress syndrome (noise and worry of blasting, worry and fear and anger over contamination of water, air; falling property values; flooding; coal trucks; future);
- Dashed ideals (after endlessly dealing with non-caring regulators and bought-and-paidfor politicians, peoples' beliefs in the founding principles of the nation are eroded);
- Loss of ability to insure homes and other property for flooding or blasting damage as insurers opt out of providing that coverage.

Sludge impoundments / blackwater spills

Living near a coal waste impoundment not only depreciates the value of the property for the home owner, or puts the groundwater supply into question, or anxiety during heavy rain periods, thinking this may break, but it devaluates life itself—Walter Young (see above: "Comments from individuals.")

Fear, anxious, panicky, afraid – these are a few words I use to say how I feel about coal waste impoundments. When the TV or radio gives a flash flood warning you wonder if you are going to be alive the next minute or not. If it is going to be another Buffalo Creek or Martin County. You wonder what the coal companies are releasing from the coal impoundment in the water tables that you are drinking and why are they so secret about these coal impoundments. -Geneva Runyon (see above: "Comments from individuals.")

While not all coal sludge (or coal waste) impoundments are associated with MTR, the EIS should take note of which are and examine the social and cultural effects upon coalfield residents who live near these lakes of MTR coal waste.

As with the flooding issue, fear and worry are big factors affecting people and communities. Questions that people report asking themselves include: Should I keep my kids out of the streams (due to the frequency of blackwater spills and potential for the water/streambed to be contaminated with the chemicals that are in sludge impoundments)? Will the impoundment overflow if this rain keeps up? What chemicals are leaching out of the impoundment into the groundwater and so into my well water? Should I be buying our drinking water? Are there really tanker trucks secretly dumping who-knows-what into the impoundment up there (an oft-repeated coalfield rumor)? Where would we go if there was a failure like the one in Martin County, Ky.? Could we survive a failure like that?

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Situations like the ones detailed in the three news articles below are repeated frequently in MTR regions. People's concerns for their health and safety—their very lives—are justified, yet the DEIS does not report nor quantify the toll on people's health and well-being.

Coal wastes spill into waterways; Pipe ruptures at Kentucky plant; fish killed By Roger Alford, Associated Press, April 11, 2002

PIKEVILLE - Nearly 135,000 gallons of coal wastes spilled into streams in eastern Kentucky on Wednesday after a pipe ruptured at a Pike County coal processing plant, officials said

A plume of black water 7 to 8 miles long was responsible for a large fish kill on Long Fork and Big Creek, and forced cities along the Tug Fork of the Big Sandy River to close water intakes during the night.

"The intakes will stay off until environmental officials tell us it's OK to turn them back on," said Bill Davis, emergency service director for Mingo County.

"This is bad, but it's nothing compared to the severity of the previous one."

The previous spill, which occurred Oct. 11, 2000, involved more than 300 million gallons of coal sludge from an impoundment owned by Martin County Coal, a subsidiary of Massey Energy.

The sludge clogged streams and turned more than 60 miles of the Tug Fork black.

Joe Schmidt, spokesman for the Kentucky Department of Environmental Protection, said the latest spill was the result of a pipeline break about 11:30 p.m. Tucsday at Sidney Coal Co., also a subsidiary of Massey Energy.

The pipe carried liquid waste, primarily dust and particles washed from processed coal before shipping to power plants. The waste is a gritty, tar-like substance that also contains chemicals used in the cleaning process.

Katherine Kinney, a spokeswoman for Massey, said the company shut down the processing plant as soon as the rupture was discovered.

"We are still investigating, but we don't know why it broke." she said.

Charles Parsley, superintendent of the Kermit, W.Va., water plant, said an employee saw sludge in the river Wednesday afternoon, about 12 hours after the spill.

The brunt of the bank-to-bank plume arrived at Kermit at nightfall after a 20-mile trip from Long Fork. Other towns downstream were being notified of the spill, but it was not immediately clear whether they'd need to turn off water intakes.

Louisa and Fort Gay, W.Va., would be the next cities affected.

"We're taking precautions, but this is not considered a big coal slurry spill," Mr. Schmidt said.

Biologists and conservation officers with the Kentucky Department of Fish and Wildlife Resources were monitoring the spill.

"In the Tug Fork, it probably won't kill any fish," said Kevin Frey, a state fisheries biologist. "In Big Creek, we expect a high percentage fish kill."

Ms. Kinney said the spill doesn't pose a public health danger.

Coal slurry spills into two W.Va. streams

By the Associated Press, Oct. 9, 2002

LOGAN, W.Va. - A ruptured plastic waste pipe at a Massey Energy Co. subsidiary's preparation plant sent about 100,000 gallons of coal slurry into two Logan County streams Tuesday.

State regulators ordered Bandmill Coal Co. to shut down the preparation plant until the spill is cleaned up, said Jeff McCormick, assistant director of the Division of Mining and Reclamation

"We're going to keep them shut down until they clean up the creek," he said.

Officials at four municipal water treatment plants downstream of the preparation plant kept a wary eye on the slow-moving 6-mile-long spill, which fouled Rum Creek and the Guvandotte River.

"If the system can't handle it, we'll have to shut it down," said Elbert Smith, a worker at Logan's water treatment plant.

Coal slurry is a mixture of water, fine coal particles and other waste from washing coal to prepare it for market.

Bandmill officials notified the Department of Environmental Protection of the spill at 8 a.m., Tuesday, Agency inspectors were at the scene Tuesday afternoon.

"Massey Energy regrets that the leak occurred. We have been working to ensure our operations operate in an environmentally sound manner," said Jeff Gillenwater, a spokesman for Massey.

"Initial reports are that the spill is larger than that from the company's Independence Coal operation of last summer," Mr. McCormick said.

In June 2001, a spill at Independence Coal's Liberty Preparation Plant near Unceda sent more than 30,000 gallons of polluted water into Pond Creek. Independence also is a subsidiary of Massey.

Feds to inspect coal-waste site

By the Associated Press, June 09, 2002

LOUISVILLE - A federal agency has agreed to inspect a Harlan County coal-waste impoundment that officials fear is overfilled and say could create a more disastrous spill than one in Martin County two years ago.

There are homes in the path of a projected slurry flood in the case of the Harlan Cumberland Coal Co. impoundment, as well as U.S. 119 and the Cumberland River, regulators said in court papers.

"There could be loss of life; there will clearly be tremendous property damage. Domestic water supplies will be disrupted." Kentucky officials said in pleadings filed in Harlan Circuit Court last month.

In October 2000, a Martin County Coal Co. waste impoundment near Inez collapsed, spilling 300 million gallons of black sludge through underground mine works. No one was killed or injured, but the sludge spread to neighboring property and spilled into nearby waterways.

Even though the state has determined the impoundment violates its permit by being deeper than allowed, regulators have been barred by the court from taking action.

As a result, the federal Office of Surface Mining has agreed to inspect the impoundment and to take "appropriate enforcement action" if necessary, the agency's Lexington field office director, William Kovacic, said in a letter Friday to Kentucky officials.

Environmentalists said OSM should have acted sooner - as soon as the state was enjoined by the court on May 20 from blocking further pumping into the 64-acre impoundment.

"This really calls into question at this point the level of commitment OSM has under this administration to implementing the law," said Tom FitzGerald, director of the Kentucky Resources Council, an environmental group that joined with Kentuckians for the Commonwealth in raising concerns about the safety of the impoundment.

Although the federal inspection is pending, OSM representatives already have visited the site with their counterparts from the state Department for Surface Mining Reclamation & Enforcement and the federal Mine Safety and Health Administration.

Mr. Kovacic wrote to Mr. FitzGerald last week that information currently available to OSM "does not establish an imminent danger" from the pond.

In an interview, Mr. Kovacic said, "We are on a very prudent, legally defensible course of action." As long as the state does not object during a five-day appeal period expected to start next week, the inspection will occur soon afterward, he said.

The government reports that have come out since the Martin County disaster have not eased peoples' fears. Instead, they have confirmed peoples' suspicions: Another disaster could happen at any time.

Report: Impoundments could fail; Federal oversight called for By Nancy Zuckerbrod, the Associated Press. Oct. 13, 2001

WASHINGTON - The same sort of thick black sludge that covered Inez, Ky, a year ago could wreak havoc on other communities if the government doesn't take steps to prevent coal waste storage systems from failing, according to a report released Friday.

The federal government must have more oversight authority of the roughly 600 coal waste impoundments in the country, according to the National Research Council report.

After coal is washed, a mixture of coal dust, clay and dirt often is pumped into an impoundment and allowed to settle. In Appalachia, coal companies typically use an area's natural topography to form the storage basin for the waste.

The report said the failure of the basin area is a leading cause of impoundment accidents, but federal oversight of basins "has been less than rigorous." The researchers said federal agencies need to be given "clear authority to review basin design."

In Inez last year, Martin County Coal Corp. collected dirt and particles washed from freshly mined coal in a mountaintop sludge pond, but the waste escaped through a crack in the bottom of that impoundment. The 250 million gallons of sludge then flowed into an underground mine and rushed off the mountainside, covering residential property and killing fish in creeks.

The report said the gov ernment should set standards for mine surveying and mapping to ensure other impoundments are not established next to old mines, which can lead to structural problems at impoundments.

The researchers said in many instances old maps are inaccurate or missing. For example, a fire destroyed at least 30,000 mine maps at a state government building in Kentucky in 1948.

But Tom FitzGerald, executive director of the Kentucky Resources Council, said it is not enough to recommend that the government create new mapping standards. He said the council also should have recommended that coal companies be required to drill into the ground in areas where they want to construct impoundments to make sure there are no prince there.

"In all cases, you must suspect there may be problems with the accuracy of a map unless you can validate it." Mr. FitzGerald said.

Bruce Watzman, vice president for safety and health at the National Mining Association, said companies frequently use radar and seismic monitoring to check for underground mines.

"It's not as if the industry is fixed in time and not using any of these technologies," he

The report also recommended that the government come up with a coordinated plan for assessing the risk of impoundment failures, and it said more research into alternative waste disposal technologies is needed.

Mr. FitzGerald said he was disappointed that the researchers did not spend more time considering alternatives. "They should have undertaken that assessment themselves rather than calling for more study." he said. Alternatives to impoundments exist but coal companies steer away from them because they are more costly, he said.

Mr. Watzman disagreed, adding that there are techno logical and geological reasons coal companies often turn to impoundments.

"You can't say that there should be no more impoundments because that it isn't always viable," Mr. Watzman said.

But doing away with impoundments would make many coal country residents feel safer, said Nina McCoy, a biology teacher who lives a few miles downstream from the Inez impoundment.

"I do think they are time bombs," Ms. McCoy said. The waste "doesn't need to be kept in a water dam that is above people's houses."

Ms. McCoy said she was disappointed the research council didn't look into water quality issues related to slurry spills. The report did recommend that researchers conduct an analysis of the chemical makeup of slurry, so authorities know what kind of contaminants may be in the water supply.

States with impoundments include Kentucky. West Virginia, Tennessee. Pennsylvania, Virginia, Ohio, Alabama and Mississippi, according to the Mine Safety and Health Administration.

The most notorious coal waste impoundment collapse occurred in Buffalo Creek, W.Va., in 1972. That accident killed 125 people and injured more than 1,000, the council's report said.

Reps. Hal Rogers, R-Ky., and Nick Rahall, D-W.Va., pushed for the National Research Council study. Both said they would follow up to ensure the report's recommendations are implemented.

Implementation of the NRC recommendations, enforcement of existing mining laws...these are things citizens still await. We repeat: While not all coal sludge (or coal waste) impoundments are associated with MTR, the EIS should take note of which are and examine the social and cultural effects upon coalfield residents who live near these lakes of sludge.

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Stress / Fear / Health

Are people living near MTR operations in fact suffering post-traumatic-stress syndrome? At the very least, they are suffering from unrelenting stresses of all sorts that take a real toll on personal, familial and community health. Some of these stresses have been detailed above: the noise, dust and damage from blasting: fear of traveling roads dominated by a long a parade of coal trucks; fears about health deterioration caused by dust, blasting noise, numerous stresses; worry and fear about the next disaster; fear about air and water and air pollution; aggravation and inconvenience of lost wells; the utter frustration and anger with most regulators and corrupt politicians...the list goes on. The EIS should examine the MTR-related toll on personal, familial and community health.

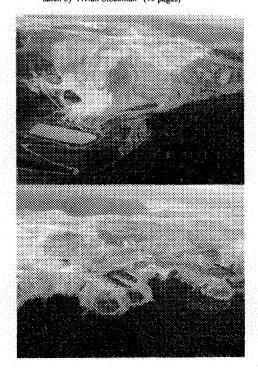
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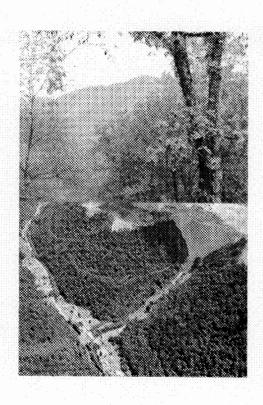
Conclusion

The preparers of the DEIS have not done their job. We repeat: The agencies in charge of creating a valid scientific EIS on MTR must make every effort to exhaustively study and quantify the social and cultural impacts of mountaintop removal. At the very minimum, the social and current cultural effects of MTR removal listed herein must be taken into account in the EIS. The EIS recommendations must accurately reflect these effects and must include recommendations for actions that will relieve and eliminate the negative social and cultural impacts of mountaintop removal / valley fill coal mining.

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"Minimal" Impact? Photos of mountaintop removal / valley fill coal mining in southern West Virginia, taken by Vivian Stockman (10 pages)



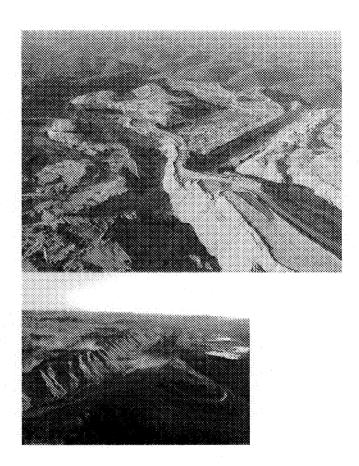




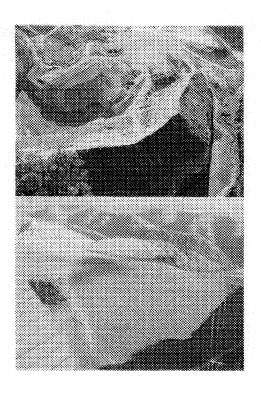
Twisted Run Golf Course on an MTR site in Mingo Co.—how many golf courses, (sinking) prisons and shopping malls (and for what population) can fit on all the MTR-devastated land already in southern West Virginia?

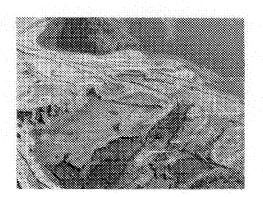




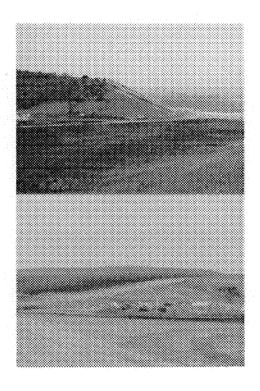


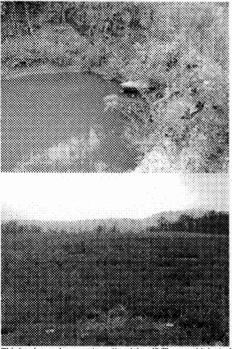
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This is what coal companies call reclaimed? The most biologically diverse temperate hardwood forests on earth are destroyed. Take a good look at the "wetlands" coal companies claim to have created on MTR sites. Better yet, test water samples to find out what is in these waste pits.

Preliminary Performance Review

The Office of **Explosives and Blasting**

The Office of Explosives and Blasting is Not Meeting All Required Mandates



December 2002 PE02-36-268

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WEST VIRGINIA LEGISLATURE Performance Evaluation and Research Division

December 15, 2002

The Honorable Edwin J. Bowman State Senste 129 West Circle Drive Weirton, West Virginia 26062

The Honorable Vicki V. Douglas House of Delegates Building 1, Room E-213 1900 Kanawba Boulevard, East Charleston, West Virginia 25305-0470

Pursuant to the West Virginia Sunset Law, we are transmitting a Preliminary Performance Review of the Office of Explosives and Blasting, which will be presented to the Joint Committee on Government Operations on Sunday, December 15, 2002. The issue covered berein is "The Office of Explosives and Blasting is Not Meeting All required Mandates.

We transmitted a draft copy of the report to the Office of Explosives and Blasting on December 2, 2002. We held an Exit Conference with the OEB on December 4, 2002. We received the agency response on December 10, 2002.

JS/wsc

*******	Joint Committee on Government and Finance	*************
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The Office of Explosives and Blasting

Executive Summary

Issue 1: The Office of Explosives and Blasting is Not Meeting AH Required Mandates

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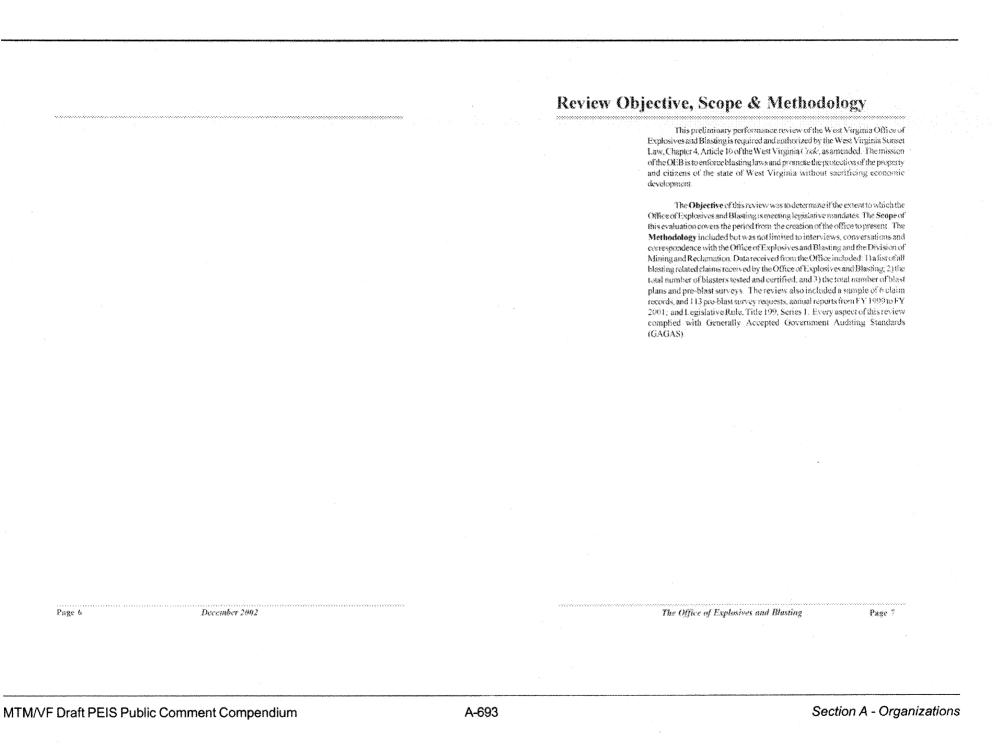
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Issue 1

The Office of Explosives and Blasting is Not Meeting All Required Mandates

The Office of Explosives and Blasting (OEB) was created by Senate Bill 681 during the 1999 session of the 73rd West Virginia Legislature. According

> The Legislature declares that the establishment of an affice within the division of environmental protection to enforce blasting laws pursuant to surface mining within the state of West Virginia is in the public interest and will promote the protection of the property and citizens of the state of West Virginia without sacrificing economic development.

Of the seven mandates reviewed, the Legislative Auditor concludes that the OEB has met and Hawever, there are four mandates which are not being met in the extent to which the OEB was or wated.

In this report, the Legislative Auditor reviewed seven mandates that are outlined for the OEB in Chapter 22, Article 3a of the Code. Of the seven mandates reviewed, the Legislative Auditor concludes that the OFB has met acid continues to meet three, () implementation of the pre-blast survey process; 2) continues to meet these, education training examination and certification of blasters, and 3) proposal of legislative rules. However, there are four mandates which are not being met to the extent to which the OEB was created:

- Regulation of Blasting on Surface Mine Operations OEB is charged with regulating blasting on all surface mine operations. However, the majority of tasks regulating blasting operations are currently being performed by the Division of Mining and Reclamation, not the OEB.
- Setting of Qualifications for Individuals Performing Pre-Blast Surveys - The OEB has set the qualifications for individuals conducting pre-blast surveys in its legislative rules. However, the primary requirement of these rules is that the individual performing pre-blast surveys undergo training from the OEB. The OEB has got initiated any training for these individuals.
- Maintaining and Operating a System to Receive Complaints -The OEB has been in the process of developing a system to receive complaints. However, statting difficulties has delayed the completion of this system.
- Establishing a System for the Investigation of Claims There is currently a significant backlog in claims alleging damage, which need

The Office of Explosives and Blasting

Since the counting of the OES, there has been large turnover la the office. delayed the OEB in moding its mountains.

Since the creation of the OEB, there has been large tumover in the office. According to the OEB Chief, this turnover has delayed the OEB in meeting its mandates. The OEB has recently hired six additional employees to address the According to the OEB custanding mandates. While the addition of six employees is a positive measure, chief, this thenover has the Legislative Auditor's not convinced that the addition of new staff will resolve the unfulfilled mandates. As a result, it is recommended that the OEB be reviewed again by the Legislative Auditor in one year.

OEB Generally Meeting Mandates

The following mandates of the OEB were reviewed by the Legislative Auditor in this report.

- Regulating blasting on all surface-mining operations;
- Implementing and overseeing the pre-blast survey process,
- Maintaining and operating a system to receive and address questions, concerns and complaints relating to mining operations;
- Scraing the qualifications for individuals and firms performing pre-blast surveys;
- The education, training, examination and certification of blasters,
- Proposing rules for legislative approval; and
- Establishing a system for the filing, administration, and resolution of

The Of B has met and continues to meet many of these mandates. Table 1 below shows the mandates which are currently being met by the OFB as well as performance measures.

Table 1 Mandates and Performance Measures Achieved by the OEB				
Mandates	Performance Measure			
implementation of Pre-Blast Survey Process	The OEB hosses and maintains a database of over 17,050 pre-blast surveys. Nearly 9,000 of these were received and reviewed by the OEB; the remaining surveys were received by Mining and Ractamation prior to creation of the OEB.			
Examination of Biassers	Since March 2001, the OEB has tested 150 individuals, of which 79 have passed. This is comparable to activity in other states with similar programs.*			
Proposing Legislative Rules	The OEB has legislative rules on file with the Secretary of State's Office (rule 1990SR 1), which address all the items of §22-3A-4.			
	es is corresponded when factors used as matther of tests per year and the number of ring during a year are considered.			

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However, there are four mandates which are currently not being met satisfactorily by the OEB. First, Cody requires the OEB to regulate blassing on all surface mine operations. This function is currently being performed by Mining and Reclamation, not OEB. Second, the OEB has not vet set qualifications for individuals conducting pre-blast surveys. Third, the OEBis system for receiving and tracking complaints is not yet fully functional. Finally, the OEB has a large backlog of claims alteging blasting damage which need to be resolved.

The Regulation of Blasting on Surface Mine Operations Has Not Been Transferred to OEB from Mining and Reclamation

The Division of Mining and Reclamation, not the OEB, is currently regulating blasting activities on surface mine operations. According to Mining and Reclamation.

> Today, 82 impectors working for 125fR, respond to blusting complaints and review all blasting related documentation for compliance with the regulations. If the vitizen is claiming damage from blasting, the complaint is forwarded to OEB for further investigation. If the completinean is not elatining damage and the company is in compliance with the regulations, a complaint report is filled out and sent to the complainant by DMR inspectors. All other blasting activities in the field are erdorced by PMR inspectors. OEB now reviews and approves pre-blast surveys and conducts testing for blasters certifications.

This contradicts the requirements of the Code, which states in part, iThe chares of the IOEB] shall include...regulating blassing on all surface mining operations.i

The OEB is Not Currently Training Those Performing Pre-Blast Surveys

According to \$22-3A-3(d) of the Code, the OEB is charged with, iSetting the qualifications for individuals and firms performing pre-blost surveys / Furthermore, according to 199 CSR 1.3.9a.2,

> The office shall develop a list of individuals who have exhibited ability by past experience to perform pre-blust surveys. Provided, however, attending a training course

The Office of Explosives and Blasting

administered by the office on pre-blast surveys shall meet the previous experience requirements.

The OEE Indicated that it had not yet started redaing for individuals performing pre-blast surveys, nor do they traintain a list of qualified taileideals. However, when asked about the performance of this task, the OEB indicated that it had not yet started training for individuals performing pre-blast surveys, not do they maintain a list of qualified individuals.

OEBis System for Receiving and Tracking Complaints Is Not Yet Fully Functional

The OEB is currently in the process of developing a complaint tracking system. According to the OEB.

The honefit to the citizen is ignvertiment in one room.1 Any persons ithin DEF could take a complaint or question and submit that inquiry, electronically, to the office responsible for that program. The citizen would no longer be transferred from one affice to usother and tell the same story over and over. The offices goin a complaint tracking system for determining the status of a complaint and works on the front-end of the complaint process and amountatedly feeds information into the existing comparer system that tracks conclusions of investigations.

However, this system is still being tested and is not ready for statewide implementation.

OEB has a Backlog of Claims Waiting for Resolution

The OEB is currently reviewing those claims that involve property damage; all other claims are investigated by Mining and Reclamation. With regards to the claims that involve property damage, the OEB describes the process for claim resolution as follows:

- If an owner suspects damage has occurred, the office conducts a thorough investigation to determine the merit of the damage claim.
- The owner then is given the option to file a claim with the coal company's insurance, file a claim with the homeowneris insurance carrier, withdraw the claim, or participate in the OEB claims and arbitration process.

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- If the owner wishes to file a claim through the OFB, the owner is offered a chance to meet with the coal company to attempt to resolve the issue.
- 4 If the meeting proves unsuccessful, the owner may request to proceed with a claim. If the owner proceeds with the claim, it is referred to the claims administrator.
- 5. After receiving OEBis determination of merit, the claims administrator assigns an adjuster to the claim. The adjuster investigates the claim and relays the finding to the claims administration for a final determination, if the damage is blasting-related.
- 6 The OEB, in conjunction with the American Arbitration Association, will maintain a list of arbitrators, compiled with the assistance of the environmental advocate and coal industry representatives. The parties will chose an arbitrator and a final determination of the claim will be made.

The OEB uses a spreadsheet to track claims. This spreadsheet is currently incomplete, therefore, the Legislative Auditors Office is unable to determine exactly how long it takes to resolve a claim or to make any estimates regarding how long it will take to resolve all open claims. In addition, a sample of six cases from the spreadsheet revealed several dates that were inaccurate. Moreover, the spreadsheet has inspectors assigned to open claims that are no longer with the OEB. This leads the Legislative Auditor to conclude that the spreadsheet is not completely reliable.

Although portions of the OEBs spreadsheet are deficient, it is the only summarized detail of claims that is currently available to the Legislative Auditor. The spreadsheet, while incomplete, does adequately represent the current status, whether open or closed, of all claims. As of November 2002, the OEB spreadsheet showed 202 claims alteging blasting damage. According to OEB records, 39 (19%) of the 202 claims have not been assigned to an inspector yet. Of the 202 claims, 54 (27%) have been withdrawn, settled, or terminated, without the necessity of the claims administrator for a resolution. With respect to these 5 claims, the OEB has stated the following.

Of the 148 open chains, only 5 have been sent to the chains administrator for a resolution.

The elaims administrator has verbally responded that five claims have been completed. OFB has reviewed, for formal and completeness, a draft version of one of the reports and commented to the administrator. Final reports on the five completed investigations are expected soon.

The Office of Explosives and Blasting

Table 2 shows the disposition of claims, while table 3 shows the age of open claims

Table 2 Claims Alleging Biasting Damage				
Disposition	Number of Claims	Percentage of Total		
Open Claims	148	73%		
Closed Claims:	A CONTRACTOR OF THE CONTRACTOR	and an experience of the control of		
Withdrawn	43	21%		
Settled	2	1%		
Terminated*	9	4%		
Total Claims	202	100%**		

Claims may be terminated based on lack of jurisdiction, failure by the claimant to respond to contact attempts or failure by the claimant to sign necessary forms for continuing the process.

^{**} Percentages may not add up to 100% due to rounding.

Table 3					
Age of Open Claims*					
Less than 1 year old	77 claims (52%)				
From 1 to 2 years old	58 claims (39%)				
Older than 2 years**	8 claims (5%)				

^{*}Based on date received by OEB

As can be seen in Tables 2 and 3, there is currently a large backlog of open claims. Many of these open claims date beyond one year.

OEB Sites Staffing Irregularities as Reason for Delays in Meeting Mandates

According to the Chief of the OEB, turnover within the OEB and the delegation of other duties to remaining staff has delayed the OEB in meeting

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mandates.

During calendar year 2000, my staff consisted of four individuals that were tempsearily assigned from the Office of Mining and Reclamation (OMR) to assist in the formation of the Office of Explosives and Blusting (OFB).

Of those four individuals, none are currently with the OEB. One individual passed away in February 2001. One individual left the OEB in August 2001, one resigned after much illness in December 2001, and the foorth (an administrative assistant) passed away in October 2002.

Even though the OEB has funding for 15 employees, the average number of employees within the affice since its creation has been seven. Furthermore, the OEB hired five inspector specialists in January 2001. The OEB states that funding concerns prevented the hiring of the specialists before January 2001. Of the five specialists hired in January 2001, four are no longer with the OEB. Even though the OEB has funding for 15 employees, the average number of employees within the office since its creation has been seven.

Effects of Unmet Mandates

As noted earlier, Mining and Reclamation is currently performing all regulatory tasks for blasting on surface mining activities. Because the majority of tasks currently performed by the OEB were previously conducted by Mining and Reclamation (blast plan eview, pre-blast survey, investigation of claims, etc.), it must be concluded that the intent of creating the OEB was to change the desired outcome of the process. To continue to perform these tasks through Mining and Reclamation violates the very intent of the law and the Legislature.

In addition to the duties that are currently being performed by Mining and Reclamation, the OEB has not mer its requirement to train individuals conducting pre-blast surveys. Because the OEB has not initiated the training of these individuals, it could put both the public as well as coul companies at risk. Although the contents of a pre-blast survey are contained in the Cook, the quality of the pre-blast surveys could suffer if an unqualified individual completed them. For example, a coal company could eventually be liable for a fraudulent claim if the conditions of the structure were not properly documented. Likewise, in a converse situation, if the structure were not properly documented, an individual may have delays or difficulty receiving compensation for damage inflicted by blasting.

With regard to backlogged claims, many individuals are currently waiting for the OEB to address outstanding claims. As was previously stated, less than one-third of all claims have been resolved. Some of these claims have been open since the creation of the OEB in 1999. Citizens with open claims

The Office of Explosives and Blusting

^{**}Five open claims contained no date indicating the date the claim was received

could be living in hazardous conditions due to damage sustained in a blesting incident. In addition, the property values of individuals waiting for the resolution of claims could be effected until the damage of the property is corrected.

OEB Hires New Employees to Accomplish Mandates

The OEB has recently hired additional employees to address outstanding mandates. According to the OEB

In January 2002, [Employee A], a mining engineer with blosting experience, was hired. To assume direct responsibility for the bloster certification program and the pre-blost survey review program [This individual] was also directed to exclude the pre-blost survey program and develop surveyer training based on the results of that evaluation. The evaluation that [this individual] was charged with has been completed and a new pre-blost survey policy and procedure will be implemented this month (December 2002) with a new form to bring consistency to the program. A training program will began in February 2002 undwill be consistent with the new policy and procedure.

To address the claims which have here hackingged, the OFB remaily bired six additional inspector meridises.

To address the claims which have been backlogged, the OEB recently hired six additional inspector specialists. However, the Legislative Auditoris Office is not curvinced that the OEB will be able to retain these employees. In January 2001, the OEB hired five inspector specialists. Of these, two took demotions to return to their positions within Mining and Reclamation, and two took promotions to return to Mining and Reclamation. Also, despite the fact that the OEB has been investigating claims since August 2001, the OEB has never determined exactly how long it takes to investigate a claim. According to the Claim of the OEB.

I have not had the opportunity to calculate the exact number of days needed to complete an inspection. Until recently, field specialists have been assigned other differ time for investigation and may incoverately indicate the true time frame for investigation. Each investigation is different, in that more information may be needed for use investigation than the other may, but as the specialists become more experienced, the investigation time should only improve. Also, many of the backlogged alation investigations have been started, but not completed because that person is no longer with OLD.

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Without a knowledge of the amount of time necessary to complete a claim investigation, the Legislative Auditor is unable to determine with accuracy to tell whether or not a total of time (9) inspector specialists will be able to completely review all backlogged claims as well as all incoming claims.

Conclusion

With regard to satisfying established mandates, the OEB has not accomplished four significant areas:

- Enforcement of blassing procedures on surface mine activities;
- Training for individuals conducting pre-blast surveys;
- Maintaining and operating a system to receive complaints.
- Timely investigation of claims;

Without the fulfillment of these mandates by the OEB, the public is not only at risk, but putentially in many cases, has claims which are not being resolved. Although a lack of saff and staffing irregularities can account for many problems, the Legislative Anditoris Office is not convinced that the addition of staff will resolve the unfulfilled mandates.

Recommendations:

- The Legislative Auditoris Office recommends that the OEB be continued and reviewed again by the Legislative Auditor in one year.
- The Legislative Auditoris Office recommends that the OEB standardize the process for tracking claims. This process should require that information on claims be entered into a database in a timely manner.

The Office of Explosives and Blusting

Appendix A: Transmittal Letter to Agency WEST VIRGINIA LEGISLATURE Performance Evaluation and Research Division Building 1, Room W-314 John Sylvia 1990 Kansaha Boolevard, East Charleston, West Virginia 25305-0610 (304) 347-4890 (364) 347-4939 FAX December 2, 2002 Mike Mace, Chief Office of Explosives and Blasting West Virginia Division of Environmental Protection 10 McJankin Road Nitro, WV 25143-2506

Dear Mr. Mace:

be included in the final report.

Joint Committee on Government and Finance

This is to transmit a draft copy of the Full Performance Evaluation of the Office of Explosives and Blasting. This report is scheduled to be presented at the Sunday, December 15, 2002 interim meeting of the Joint Committee on Government Operations. It is expected that a representative from your agency be present at the meeting to orally respond to the report and answer any questions the committee may have. If you would like to schedule an exit conference to discuss any concerns you may have with the report between December 3, 2002, and December 6, 2002, please notify us. We need your written response by noon on December 10, 2002 in order for it to

We request that your personnel treat the draft report as confidential and that it not be

disclosed to anyone not affiliated with your agency. Thank you for your cooperation.

	Appendix B: Agency Response	
	West Virginia Department of Environmental Protection	
	December 10, 2002	
	John Byhus, Chestor What Veginia Legistation Performance Evaluation and Repearch Cheston Bushing 1, Rosen W-314 1900 Kongetha Bushavard, East Chartedon, Wasel Vinginia 25305-0610	
	Clear Mr. Sylvia:	
	Thronk you for the appreciably to coopered to the preciminary performance include montained on the Office of Engineers and Blanking. Our response is entirely	
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December 2002	The Office of Explosives and Blasting	

West Virginia Department of Environmental Protection Division of Mining and Reclamation Office of Explosives and Blasting

Legislative Audit Response

The Office of Explosives and Blasting (OEB) welcomes the opportunity to respond to the draft copy of the performance Evaluation and Research Division of the West Virginia Legislative provided to us on 125/502. The OEB response will identify at the mandates and the actions taken to fulfill those requirements. The OEB will explain the data management system used by the office. The OEB will explain the personnel issues associated with the office and the accomplishments of the office despite the adversity. The OEB will also outline the steps necessary for completing the mandates of the logislature and a schedule for full operation of the office.

We have chosen a formal that responds individually to the legislative mandates in West Virginia Code 822-3A and 1990SR1.

Regulate blasting on all surface mine operations

The OEB agrees with the legislative auditors in that we are not fully regulating blasting activities on all surface mixe operations. However, the following circumstances are noteworthy:

- The mining and reclamation program still has a statutory requirement to inspect blasting procedures and respond to all mining complaints.
- An OEB presence on surface mine operations has been established, admittedly, it has been in connection with derrage claims investigations, assistance requests from mining inspectors, investigation to connection with federal iTen Day Noticesi and a few independent inspections based on information collected by the OEB on possible blasting inregularities;
- The OEB is developing a much needed expertise of blasting knowledge that did not exist prior to this effice;
- In time, the OEB will expand its responsibilities to fully address all blasting activities on surface mines by continuing to develop trained blasting specialists.

The office will continue to address blasting activities, with progressively more routine inspections. By January 2004, our projections (identified later in this document) will allow the office to conduct routine investigations, as well as claims investigation, on a regular basis.

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Implement and oversee the pre-blast survey process, as set forth in section thirdeen-a, article three of this chapter.

A new emphasis was placed on pre-blast surveys with passage of Senate Bill 881. Serveys were deemed a crucial part of the newly created damage claims process and homeowners were encouraged to have surveys completed.

During the early developmental stages of the office, a number of items became apparent concerning the pre-blast survey process:

- . Mining was moving closer to residents and more surveys were already being processed;
- Residents now had to decline a survey instead of not responding to a request;
- . The survey radius was expanded, resulting in an increase in the exember of surveys:
- A single revisiver in the central office existed all surveys and coordinated notification requirements with mining and rectamation inspectors;
- The reviewer was also responsible for training and testing blasters;
- . The workload influenced the quality of the reviews:
- There was no standardized survey format making the review and quality assessment difficult. No
 pre-blast survey was perticularly better than another but all were formatted differently;
- Review of the notification list was conducted by the mining and reciamation inspector:
- OEB only had 15 days to review surveys before blasting could begin.

With these factors in mind, the OEB began taking steps to comply with the requirements of the naise, and began a full assessment of the entire survey process to determine necessary changes needed to adequately protect the public. In the inshim, changes would be implemented as situations arose and written policy would be developed based on the circumstances that necessaristed change and/or any legal interpretations, when necessary. Although the basic requirements for the contents of the surveys were set by rule, responses varied by individual interpretations.

With the assistance of the Office of Legal Services (OLS), the OEB created the forms and procedures for wavers (for structure experts that did not want a survey) and affidavits (for the few cases where the owners refused afficiented with the surveyors). The waiver and affidavit forms are presently baird used by the industry.

On a regular basis, we continue to address new questions or circumstances concerning surveys, but a written pre-blast survey policy is now available. The supporting forms standardize pre-blast information for the first time.

The OEB collected all the existing surveys from the mining and reclamation regional offices, inventoried, catalogod, and stored them at one location. As we collected these surveys and processed new ones, an electronic spreadsheet was created to track all surveys accepted. For the first time, a simple search could determine if a pre-blast survey was excitable.

Presently, over 17,000 pre-blast surveys (dating back to 1987), waivers and affidavits are stored in one location. OEB has reviewed over 50% of the documents (9,242). All surveys, waivers and affidavits are maintained confidentially.

As described in the rule. OEB is now responsible for delivery of surveys to the homeowners. Prior to passage of the rule, the coal company delienvol. The OEB makes every attempt to review and deliver the surveys to the owners before blasting begins

The federal Office of Surface Mibing (OSM) recently completed a five-month oversight review of the pre-blast survey review process and the associated tracking system. OSM concluded the process to comply with the federal mandates for pre-blast survey reviews.

The Office of Explosives and Blusting

The OEB is developing additional improvements to the process. The improvements can be implemented within the next year, depending on the availability of staff from the Information Technology Office (TC) and include the following:

- Develop an electronic system that allows for automatic entry of survey support information data from CD/Disk provided by parasitee or designed:
- Devotes an electronic review, with a checklist of required information, that will automatically naisotain a history of survey deticlencies and creates correction lotter to permittee. This system will create an automated acceptance latter to permittee and an automated cover letter to citizen.

Maintain and operate a system to receive and address questions, concerns, and complaints relating to mining operations.

With the assestance of information Technology Office, the OEB has created an electronic-based system called iCitizens Servicesi for receiving, responding and tracking biasting question concerns and completies. The system was initially developed for use by OEB. As mere of the DEP offices became aware of the system, it became apparent that this system could be utilized for the benefit of all the DEP. Development was slowed for this reason, but the OEB has been using the system since July of 2002 and the Legan Regional Office of DMR was included in October. Thus far, the system is increasing the efficiency in responding to the publicis concerns. In addition, DMR is saving time and effort in routing blasting complaints to the OEB and routing other complaints within the mixing office. The other DMR offices will be added in the near future.

The OEB has published an informational handout entitled icitizents Guide to Blasting! that explains, in general forms, why mines blast, what to expect, the kinds of damage that could occur, the importance of a pre-blast survey, measuring blast vibration, the claims and arbitration process, and what to do if the obigen has a complaint.

The OEB has collected, and continues to collect, publications relating to blasting and make them available to the public through a itending library). The purpose is to provide as much information on blasting as possible to the public. The publications are made available to the public, at no charge, much in the same manner as a public library.

Many of the publications and OEB forms and are also available on our website.

Set the qualification for individuals and firms performing pre-blast surveys.

During our initial examination of the pre-blast survey process, the OEB noted several items concerning pre-blast surveys and the people and companies conducting them:

- Most surveys generally complied with the requirements of the code;
- No one survey was significantly better than another, but all could be improved:
- The previous review process did not meet the elevated standards reflected in the OEB blasting rula;
- Most coal companies contract the preparation of pre-blast surveys to consulting firms with expertise in performing surveys;
- The OES has little contact with coal companies during the review process;
- Most comparies have already selected a consultant to perform surveys and the OEB seldom received a request for the name of companies performing surveys;
- Consulting engineering and pre-blast surveying companies provide internal training to the individuals performing the surveys;
- The back of the OEB pre-blast surveyor training program needed to focus on the issues
 addressed by the pre-blast survey policy and standardized OEB forms;

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 Standardized review of the pre-blast surveys produced a similar effect as training white the policy and forms were being developed. The industry and consultants were receptive to this approach and provided comments during the process.

The decision to prioritize improvement of surveys rather than the training of surveyors was based on the facts fisted above and our belief that the creation of a pre-blast survey policy and standardized form was necessary before training could begin. It did not appear that the citizens were placed at any greater risk since:

- . The OEB was continually improving the quality of the surveys through our review process;
- Most consulting companies had experienced employees performing the surveys;
- New surveyors were trained by the consulting firms before those persons could conduct surveys;
- The insurance companies that provided blasting coverage to the coal companies supplied written acknowledgement of the consulting firm or individuals completing the surveys:
- The OEB is enforcing the mandates requiring that every citizen be provided a survey.

In order to identify any potentially hazardous conditions, OEB responds to alleged damage claims within 24 hours. OEB assesses the damage claim and prioritizes if the claims thentifies any hazardous conditions. During the course of investigating blasting damage claims by the OEB, we have not observed any cases of hazardous living conditions that were a result of blasting damage.

As stated before, the OEB has completed an extensive review of the pre-biast survey process and published a detailed pre-biast survey policy. In addition, a standardized form, with territized instructions, was developed and is ready for implementation following surveyor training. Pre-blast surveyor training is scheduled for the week of February 24, 2003.

Educate, train, examine and certify blasters working on surface mining operations.

The initial assessment of the blaster certification program caused some concerns. There was no set schedule for training or tealing. Training and examination was conducted on an ias requested basis and occasionally conducted in a storage trailer on a mine site. Many times, insufficient space was available to properly examine the applicants. The OEB felt that any improvement made in tills program would provide immediate results and we took action to increase the quality of training and testing.

- The application process was improved to provide verification of the biaster's experience and to
 insure that the intermation was correct to avoid the potential for fraudulent information or errors on
 another atoms.
- Contralized the training location and scheduled the training dates for the calendar year for applicants wanting formalized training rather than self-study;
- Centralized the testing location, and scheduled the testing dates for the calendar year;
- Provided advanced notice to re-certification candidates:
- Added a mandatory 2 hour training session prior to administering the test that explains the blasting rules and certified blasteris responsibilities;
- Placed more emphasis on proper blaster training and proctoring the examinations to insure that blasters actually demonstrated the required level of knowledge of a certified blaster.

Presently, there are nearly 800 certified blasters in West Virginia. This year the OEB has trained and certified 54 new blasters. The OEB currently projects that 200 blasters will re-certify annually. Retesting is required every six years.

Other initiatives are in progress and are presently benefiting the program or have the potential for benefit in the future.

OEB can provide a 12-hour refresher-training course. We are auditing other continuing education
programs for content and approve those training programs if they meet the criteria required by the
rule:

The Office of Explosives and Blasting

- OF Bloom conducts a monthly 8-hour training chorse for applicants for carbination:
- OEB initiated a workgroup comprised of state regulators from the surrounding mining states and
 federal counterparts in order to compare blaster training and testing procedures and to seek
 common ground for granting reciprocity certification. A procedure was developed to verify if a
 blaster is in good standing before granting reciprocity. This process is new being utilized with
 Kentucky and Virginia, a direct outcome of working with this group. Standardized blaster training
 and testing criticals in being provised for development by this group.

Propose rules for legislative approval.

It is OEBIs understanding that the first set of rules were created by a stakeholder group with immited input from the regulatory representatives and with no representatives from the OEB. Tillle 1990CSR1, which contented the funding mechanism for the office, become effective April 18, 2000, but tacked provisions for abequate inspection and violation procedures, enforcement and probetimal powers, civil pensity assessment procedures, baster disciplinary procedures, and due process procedures. Reveloris were made to 1990CSR1, adding these provisions, which became effective May 19, 2001. Changes were also made in 6,22-3 to comply with the federal Office of Surface Miningis rejection of some of the language contained in Seniate Bill 681. Those changes included deleting provisions that exempted the surface effects of underground mines from the bilasting requirements of the statue, requiring that every owner who has a pre-blast survey be provided with a copy of the report and deleting a provision that impropedly allows an owner to wake a requirement that coal companies submit information to the DEP.

The OEB implemented procedures for the review, modification and approval of blasting plans. Blasting plans are a part of every permit package proposing to conduct blasting on a mine site. Blasting may not necessarily be conducted for the purpose of recovering coal. Many operations require blasting to face-up deep mines or construct roads. In the past, many permit reviewers lacked the expertise to adequately review blasting plans. The OEB recognized that a review by a blasting specialist would immediately benefit the public. We identified this as a high priority that could be accomplished with existing the limited staff.

- A thorough review of blast plans and subsequent corrections ensured compliance with the blasting rule;
- . The OSB reviews and approves all biasting plans as part of the permit review process;
- A total 199 blast plans have been reviewed by OEB since July 2001, 132 plans have been approved and the others are pending corrections.
- OEB is presently current with all permit review actions in all four DMR regional offices.

The OEB also developed and established disciplinary procedures for all certified blasters responsible for blasting on surface mine operations. These procedures identified specific circumstances where a blaster would be cited for violations. The penalties associated with blaster violations may include temporary suspension or revocation of the blasteris certification.

Establish and manage a process for the filing, administering, and resolving blasting damage claims.

Admittedly, OEB has struggled with the claims process. The process requires specially trained individuals capable of determining the mest of blasting damage claim. The primary mechanism to edequately serve the otherwise in regards to blasting complaints and blasting damage claims is to have staff of investigators with the necessary expediae, knowledge, and skills to effectively investigate blasting claims. This source of specialized personnel did not exist in the DEP agency. Therefore, a training program was implemented to address the skills needed to investigate blasting claims. The skills required involve general blasting knowledge, blast design techniques, blast dynamics, blast vibration analysis, structural response to vibration and frequency, construction practices.

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Several factors contributed to the present backlou.

- The current claims process is a liftest of its kindl approach to provide a low cost option to blasting damage fitigation. Development often required seeking legal advice from OLS and delayed the process:
- A backing of 150 blasting damage claims existed when the OEB blasting specialists began initial investigations.
- ITO is developing an electronic notification, authorization, tracking, and invoicing system, but major delays have prevented implementation. The OEB is proceeding without the process being in place;
- The OEB tacked the required number of blasting specialists and the loss of key individuals who
 had technical blasting advice during the development of the office.
- OEB is currently taking action to investigate the claims, but until the new staff is sufficiently trained, the backing will remain;
- Based on our calculations the backlog will be eliminated in approximately one year.
- As activities, with regard to blasting claims, are tracked by use of a computerized spreadsheet.
 This spreadsheet is interided to provide a coneral overview of the claim;
- All claims have a paper file that is opered when the initial blasting claim is made. The details
 and specifies of each claim are documented in this file.

The tracking system was developed by OEB to track milestones, provide a digital record of claims events and to provide general details of pertinent aspects of each claim. This system was not intended to be an expansive database. For the intended purposes, this system serves the office needs. However, OEB appreciates the recommendation of the auditor and plans to review the existing data system for areas of improvement.

Office to conduct study.

The office shaft conduct or participate in studies or research to develop scientifically based data and recommendations. The office recognizes the reasoning for manifelding this requirement. Unfortunately, staffling levels have never been adequate to devote time and effort to implement a research project. Additionally, the expertise needed to fully conduct a research project and sufficiently shaftyze the results is beyond the capabilities of the current OEB staff. However, once the staff is trained and the backtog of existing claims is eliminated, the resources should be available to conduct research projects. All seismic information we are currently collecting is being stored for reference and future use.

The surrounding states blasting workgroup that CEB has developed provides the opportunity to evaluate research projects in conjunction with these experts.

This is an important issue and although there is no research to report, the intent is not taken lightly by the office.

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OEB plan to eliminate backlog of claims.

An enalysis was made to evaluate the two aspects of the claims process, the investigation of incoming claims and the elimination of the backing of current claims. A review has been made of the claims detabase to estimate the levels of comparisoners of the current claims backing and to process the requirements necessary to process this backing. Historical data was reviewed to forecast the manpower to stay current with scorning claims and to assist in the other mandates of the office where blasting specialist are skills utilized.

- The OEB currently has received 211 blasting damage claims:
- There have been 58 claims that have been investigated and closed by OEB, 22 claims investigations are complete, 32 are essigned, and at various levels of investigations, and 39 claims are unassigned and awaiting investigations;
- A total of 5,465 man hours have been spent by specialists investigating claims since July 2001;
- Using time and activity reports, The OE8 estimates 56.0 man hours to fully investigate and complete one blasting damage claim;
- The OEB estimates it will take 3,34 trained blasting specialists to investigate and finalize the current backlog in one year;
- Based on current data OEB predicts that there will be approximately 100 claims submitted accounts.
- In order to investigate these damage claims it will require 5.11 blosting specialist to stay current.
- In summary, to stay current with the blasting damage claims and to eliminate the current backlog
 the OEB will require 8.45 trained blasting specialists.

OEB will implement a training program involving a mentoring aspect. The experienced blasting specialists and the technical staff will train the new specialists. This will involve the rotation of the new specialists between training and claims investigation for increased efficiencies in the overall processing of ckins. We feel that the efficiencies we can realize from the mentoring approach with the new bires will meanly infecting the claims than we have historically encountered, without losing investigation resources, whils the new inspectors are being trained.

By following this plan to eliminate the backlog, we should be in a position in one year to shift our blasting specialist resources to absorb the blasting duties that the mining and reclamation inspectors are currently providing.

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Staffing Issues.

As noted by the auditors, staffing problems plagued OEB slace its creation. The loss of employees dramatically effected the effice and constantly forced changes in our priorities. Losing key personnet expecially the training staff, at the critical stages of development crippted, not only the training program, but also shifted workloads and influenced employee moral.

During the early stages of development, four persons temporarily transferred to the OEB from the Office of Mining and Reclamation (OMP). The assistant chief trainer, a blasting expert, also had years of environmental regulatory experience. The supervisor/assistant basier also had a great deal of experience in blasting and regulatory compliance. A fibrid isolavidual managed the pre-blast survey and blaster certification programs. The administrative assistant provided clerical support. She also had years of experience in the day-to-day operations of the mining program.

During the creation of the blasting tegislation, the mining program calculated a staff of 18 as an adequate number to operate this office. A fee of Ω cent (\$0.005) per pound of explosives was recommended to fund the office. Prior to approval of the rules, a reduced fee of 4 cent (\$0.0025) per pound decreased the staff to 15 persons. Fee collection began in August 2009, but budget issues within the mining office prevented hidng field employees until January 2001.

The first blasting specialist transferred from the mining program. All had requisitory experience, including blasting compliance knowledge, but required extensive training to fully comply with new job requirements. However, during their initial training, the assistant trainer passed away. The assistant chief trainer was independented due to an illness to a degree that progressive absences finally resulted in a six-month absence from work. The filmess finally caused the employee to leave the office without returning to work. Que to limitations of the salary and DOP hiring practices, replacement for these individuals was hampered. The delays incurred in staffing these positions resulted in loss of technical guidance for the office.

The trainers also shared management and development responsibilities. Their loss left only a partially trained field staff to assume those dates. In addition, the pre-blast survey reviewer and blaster certification manager accepted a supervisory position with another state office and the field staff assumed those responsibilities.

Of the five original inspectors promoted to blashing specialists, one accepted an assistant supervisory position with the mining program, and another returned to mining with a promotion. Two of the original field specialist returned to the mining program without a loss in satary. One of the two recently reapplied to the OER, but withdrew upon receiving a pay increase.

The recent unexpected passing of the administrative secretary created a void that is not easily filled. Debbie Jeffreyis knowledge, energy, and attitude created an atmosphere of seaming, cooperation, and dedication. Interviews are scheduled for early January 2003.

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Despite of the staffing issues that challenged OEB, positive steps taken during the past year and pending limiting actions, will correct the desiciency of the past. Barring unforeseen events, OEB will attain full staff, for the first time, in February 2003.

- The CEB bired 3 additional blasting specialists in October 2001. Presently, two of them investigate blasting damage claims, exclusively. The other specialist reviews blasting plans in the four DMR reviewer different.
- The OEB hield a blasting expent as an assistant manager and trainer in January 2002. This
 employee overhooted the pre-blast sowey process, established creditability in the blaster
 certification program, and resumed blasting specialist training. This person will also administer
 surveyor training in February 2003.
- The OEB hird an experienced DMR employee to review pre-blast surveys and assist with surveyor training in August. Survey reviews are current and no backlog or delays are expected;
- A group of 6 new blasting specialists trainees report for work on January 2, 2003. A training
 program is formstitud to accelerate claims investigations. Calculations by OEBis staff projects
 the elimination of the damage claims backlog by January 2004.

OEB's effectiveness is directly dependent on managing the conflict between satisfying program (equirements and providing adequately training that develops permanent blasting experts within DEP.

Conclusion

The OEB ecknowledges that we are not yet fulfilling all mandates as provided in the Code. In region to the specific concerns of the Legislative Auditor. OEB has outlined an improvement plan that will allow OEB to complete all entirement actions by January 2004.

- Training for pre-blast surveyors is scheduled for February 2003;
- Based on our projections the backing of claims will be eliminated by January 2004;
- The office has been operating a system of receiving complaints since July 2002. The DMR regional mining office will soon be joining the process. The long-term plan would include all the DEP offices.

We believe that our goals are attainable and welcome a review of this office next year.

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Photos of Surface Mining Blasting Effects

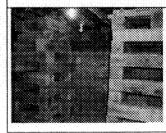


Photo Caption: Emily Justice, who lives next door to Jerry Pinson, talked about her fears after a boulder crashed through Pinson's home. State regulators said they plan to take additional measures to fix the problem of "fly rock."

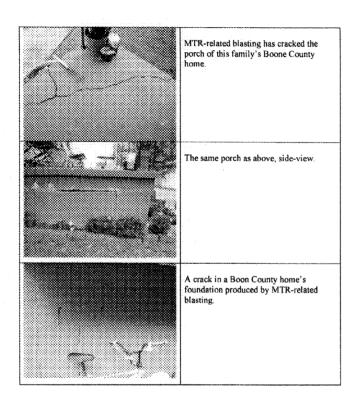
From the Louisville Courier Journal, "Boulder from strip mine rips through Pike home; Dangling rocks threaten other residents in hollow," by Alan Maimon, Thursday, August 15, 2002.

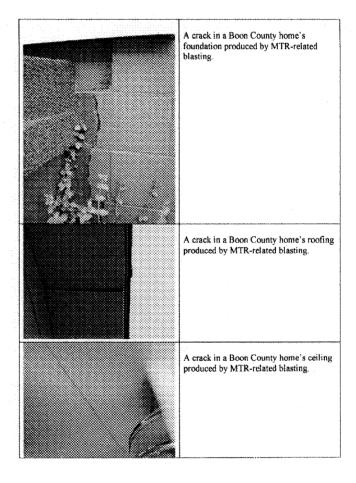


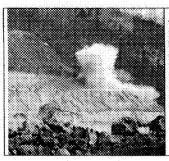
Debris from a Boone County, W. Va., home's foundation, part of which was reduced to rubble by MTR-related blasting.



Supports installed by the family to try to keep their home (same home as above) from collapsing after MTR-related blasting destroyed part of the homes foundation. A WVDEP blasting inspector insists that the destruction was not caused by blasting. The family knows better.







This photograph, submitted by Robin Bentley of Logan, reportedly was snapped by an independent trucker has drawn considerable interest from those who have viewed it personally. The person who photographed the mine blast said this particular photo contains an image of the devil's face inside the cloud of smoke and dust.

permit Jd 0000752	complaint_date 8/9/2001 15/9/200	completel comment Oneiss Coals mixing operation caused water to: a	recponsible party name COASTAL COAL WEST VIRGINIA. LLC
D000782	12/10/2001 11:20:00	Large crack in earth surface (3-5 lost wide and approximately 1/2 miles	COASTAL COAL WEST VIRGINIA.
X902182	9/12/2001 09:59:00	COAL DUST	ELK RUN COAL COMPANY, INC.
C002102	10/20/2001 (49-00-00	FIVE COMPLAINTS RECEIVED ON 10/29/01 FOR COAL DUST IN 5YL-VESTER, WY. HARRY RIDDLE, MANUAL ARVON, MARY MALER, HALL USE THOMPSON, PAULINE CANTERBERRY AL PHONED IN COMPLAINTS STATING THAT COAL DUST FROM THE ELK RUIN MINE COMPLEX HAD BLOWN ONTO HOMES IN THE	ELK PLIN COAL COMPANY, INC.
D905185	1:30/2002 08:88 00	HEAVY BLAST ON 1/20/02 FROM ELK RUN'S STOKER AREA.	ELK RUN COAL COMPANY, INC.
D002182	2/5/2002 04:34 00	VERY HEAVY BLAST FROM ELK RUN COAL CO 'S STOKER PLANT ON 2/3/32 8/4-00 PM. BLAST DISLODGED FURNACE DUCT WORK.	ELK FILIN GOAL COMPANY, INC.
D002182	2 6 2002 11 90:00	DUST FROM STOKER PLANT GETTING WORSE OVER THE LAST TWO (2) WEEKS.	ELK RUN COAL COMPANY, INC.
D002182	2/7/2002 13:30:09	DUST ON 2/47/2 BAD. MORE NOTICEABLE DUST IN LAST TWO WEEKS. VERY HEAVY BLAST ON 2/6/02 & 4:00 FROM ELK RUN COAL.	ELK RUN COAL COMPANY, INC.
D003582	7/3/2001 13:36:00	Springs on form are drying up. Only not when it rains now. Springs dry up and they dickst use to also water from springs looks black.	GLADY FORK MINING, INC.
D003582	7/11/2001 11:00:00		GLADY FORK MINING, INC.
D003582	7/31/2001 14:00:00	Well water staining everything red.	GLADY FORK MINING, INC.
D003582	10/17/2001 11:00:00	Road at Glady Fork mina is dusty and dirty. Can't keep our clean.	GLADY FORK MINING, INC.
D003582	1/15/2002 12:06:00	Coal trucks tracking mud and spilling coal onto county road.	GLADY FORK MINING, INC.
D009682	12/7:2001 09:08:00	Cost dust covering horse and causing health problems.	GOALS COAL COMPANY
D018409	7/16/2001 02:99:80	House is settling and door wont open. House is over Badger Mine.	HAWTHORME COAL COMPANY, INC.
D018400	19/28/2001 07:39:00	Yellow scum on new across from house. Could be coming from coal commany.	HAWTHOPINE GOAL COMPANY, TINC,
D018469	1/15/2002 13:05:00	Mud and onal apillage on county road.	HAWTHORNE COAL COMPANY, INC.
E003700	6/13/2001 10:00:00	Mr. Marshalf's complaint was that there junk equipment and trash still on the name also. They also said they did not like the disch that was being constructed through the mine site.	COMPANY
E004500	11/28/2001 15:00:00	Dust from preparation plant and cost traffic contaminating house.	KEPLER PROCESSING CO INC
E099400	7/30/2001 13:31:07	HOLLOW WASHED OUT OR 7-29-51 AND AGAIN ON 8-3-01. WARTS IT INSPECTED TO SEE IF BIFFALO MINING OR AGS COMPANY, "NOTE: ON 7-31-01 MR PETERS VOICE HIS CONCERNS ABOUT WATER SEEPS BEHIND HIS RESIDENCE AS NOTED BELOW (11/12/01)07/20001. IN RESPONSE TO OSM TO	
ERIS400	7/39/2001 13:32:45	IM RESPONSE TO TDY XB1-110-080-008. THE MINING COMPANY UNSES AN UNIFERINITED UNBONDED ROAD. THIS ACTIVITY CREATED A SITUATION WHERE FLOCOING AND RUNOFF IMPACTED CITIZENS PROPERTY. "VERBAL COMPLAINT OF HILLSIDE SEPES FILED WITH IT. CASEFITA.	BUFFALO MINING CO
E009400	12/4/2001 09:00:55	ACCORDING TO COMPLAIRANT, BUFFALO MINING CO. WAS TO PAY WATER BILL THEY RECEIVED THEIR FIRST WATER BILL AND WERE TOLD BY BUFFALO PSD THAT THE WATER BILL WAS THE	BUFFALO MINING CO
E011700	8/7/2001 16:15:00	RESIDENT'S REPSONSIBILITY. Dust from hautroad	BLUESTONE COAL CORPORATION
E011700	8/16/2001 16:25:00	Have not installed pump and haulroad getting dusty.	BLUESTONE COAL CORPORATION
E012599	7/18/2001 15:48:00	The hillade opposite the road from the complainant may be in danger of blowing out. A spot on the hill pushed out during recent heavy rain; the te where Martinia Cost previously repaired a slide. Complainant also concerned that the stream is condition.	MARYINIKA COAL COLIPANY
E0128/30	11/29/2001 10:05:00		WINDSOR COAL COMPANY
H071290	8/24:2001 00:15:04	HE DESIGNS THE MENTED ON THE STATE OF HEALT FOAD ONTO HIS PARKING AREA.	BANDHILL COAL CORPORATION
O000185	12/27/2001 14:52:59		APOGEE COAL CO DBA ARCH OF WEST VIRGINIA, INC.
C9900185	12/98/2001 14:50:23		APOGEE COAL CO DBA ARCH OF WEST VIRGINIA, INC.

Crix00185	1/3-2002 14:11:59	DUST VERY BAD AGAIN. COMPLAINANT STATES THAT THEY TOOK THEIR CAR TO THE CARWASH LAST NISHT (1-2-02) AND SPRAYED IT OFF AND IT WAS DUSTY AGAIN TODAY.	APOGEE COAL CO DIA ARCH OF WEST VIRGINIA, INC.
O000384	8/28/2001 14:40:00	County road dusty.	BLACK WOLF MINING COMPANY
0000384	1-22/2002 08:27:00	Ort and mud on county roads. (#8 and #9 Gary) Also overweight coal trucks going through commissily.	BLACK WOLF MINING COMPANY
O000384	2/1/2002 09:00:00	Need county food washed.	BLACK WOLF MINING COMPANY
C991083	1/16/2002 14:17:00	Muckly water running off the mountain and along sides of the road since Green Valloy Coal blested this atternoon.	GREEN VALLEY COAL COMPANY
Q991085	11/1/2001 14:18:24	Dust on county road from coal truck going thru Eckman.	MID-VOLLEASING INC
C991065	1/22/2002 13:55:00	Wants to have coal company to put gravel on road. His kids have to walk to and from bus stop in the mud.	MID-VOL LEASING INC
CXX1183	8/6/2001 10:45:00	Coal dumped along Route 119 and there is a fuel tank on top	CHEYENNE SALES COMPANY,
C001865	918/2001 09:09:00	On 9/19/01 @ 3:36 pm and 9/17/01 @ 1:38 pm shock ground-damage	GOALS COAL COMPANY
O001885	12/17/2001 09:28:00	unknown, she has not checked home for damages. Louid Blasting. Home showing cracks in ceiling and walls, she believes is caused by blasting. Blaste on 12/17-01 4 4:12 and 4:37; 12/28-01 4:438.	GOALS COAL COMPANY
C001885	12/18/2001 15:20:00	Two blasts on 12/17-01 think between 2:00 - 4:00, second blast leuder and more vibration. 2 blasts on 2:18:01, netteed cracking in dining room and Florida room, statied he has previously had 2 vindows broken, went lahada and replaced. Does not know it is	GUALS COAL COMPANY
CKO 1885	12/20/2001 16:20:00	Blasts, 2 or 3 in a row \$4.05 p.m. and 4.10 p.m. today. Patities windows, shacks larnes and felt like her whole house shock.	GOALS COAL COMPANY
C002084	11/26:2001 10:00:00	Recalled complaint via E-mail thru Andy Gallagher DEP office in Nitro. Complaint to receiving dust from coal trucks going by home. He lives adjacent to Antseus Gary Permit (site of old U.S. Steel Alpheus Plant).	ANTAEUS GARY PROJECT, INC.
C003484	8/12/2001 14:30:00	Trucks are not targed and road to not be BLACK WATER IN SPRUCE - LAUREL FORK.	WIND RIVER RESOURCES CORP
0333883	10/1/2001 09:30:00	Elisating at Hawthorne Coal Company has caused damage in the form of	
O094183	7/29/2001 10:00:00	cracks in the wall.	INC.
0004484	8/7/2001 12:00:57	DUST HAS BEEN TERRIBLE SINCE MINER'S CAME BACK FROM VACATION.	PEERLESS EAGLE COAL CO STIRRAT COAL COMPANY
O964484	11/19/2001 08:15:52	LARS. ROBBNETTE STOPPED IN LOGAN DEP OFFICE ON 11-19-01. SHE SAID THAT THE COMPANY HAD WASHED MUD OFF THE ROAD ONTO HER PROPERTY AND THAT SHE NOTICED MUDDY WATER OVER THE WEEKEND.	STIRRAT COAL COMPANY
CXXXX484	12/3/2001 08:28:51	OCMPANY WASHED MUD INTO DRIVEWAY, CLEANED OUT LAST INCHT. TRACKING WAS BAD YESTERDAY.	STIPERAT COAL COMPANY
O004484	12/11/2001 08:25:08	THERE IS BLACK WATER IN THE CREEK BY THE CHURCH	STIRBAT COAL COMPANY
O904484	12/12/2001 09:20:16		STIRRAT COAL COMPANY
CXXX7882	2/0/2002 10:45:00	Barker's Creek in Bud is running black.	HERNDON PROCESSING COMPANY
0007882	26/2002 12:15:00	Black Water in ornek neer Herndon, WV. Complaint phoned into Nitro office.	HERNDON PROCESSING
O908283	9:29/2001 09:18:00	Suspects a coal pile near Laurita Prep Plant (permit #0-82-89) is on fire and the smake is a problem.	
C)908382	12/11/2001 10:39:00	Chemical smell causing her to be iii. Citizen accompanied inspector Jerry Quescriberry and myself to area where she smelled the chemical. Area was above the Bluestone refuse impoundment and near a dominor	SECOND STERLING CORP.
Ci08382	12/11/2001 10:31:00	gas compressor station. Chemical smelt causing her to be it. Citizen accompanied inspector Jonny Causoriborry and myself area where the smelled the chemical. Area was above the Bluestene rotuse impoundment and near a dominion gas compresser station.	SECOND STEPLING CORP.
CO12083	7/30/2001 14:47:99	Cost Company is dumping coal to load into oast cars and the coal is shopping up the exest and casesing the create not to flow and file are accumulating from sirvage in the create. (Behind Webb's Floriet at Creb Orchard).	ORCHARD COAL CO
C014783	7/13/2001 10:09:00	Reluse from wash out in Jenkinjones has covered lot owned by the United MethodSci Church in Jenkinjones.	MID-VOL LEASING INC
O015683	6/7/2091 16/00:49	LINES ABOUT 1000 YOS FROM COAL TRUCK ENTRANCE, DUST IS TERRIBLE COMING FROM HIGHWAY, COAL TRUCKS DRIP MUD ON BOAD AND IT TURNS TO DUST.	DELBARTON MISSING COMPANY

O015682	8/8/2001 11:55/32		DELBARTON MINING COMPANY
		HOME - COAL SPILLED - CREATES DUST - COMPLAINT RECEIVED BY DON HILL, WATER RESOURCES	
2915683	11/16/2001 12:30:27	DUST FROM THE MINE IS VERY BAD.	DELBARTON MINING COMPANY
2016283	8/21/2001 09:35:00	Black water in stream from mine. Lives on Rt. 85 above Oceans.	PIONEER FUEL CORPORATION
2016583	7/31/2801 17:45:54	FUGITIVE DUST AND NOISE FROM SURROUNDING MINE	EASTERN ASSOCIATED COAL
CO16583	9/24/2001 10:12:32		EASTERN ASSOCIATED COAL
		BOONE CO. 911 - CALLERS WISHING TO REMAIN ANONYMOUS	
0100187	2/1/2002 09:00:00	Need county road washed.	MARTINKA COAL COMPANY
0100003	8/19/2001 10:00:00	bits. Carroll is concerned that Robbos Coal Company is placing refuse from oal mined at the company's Hacker's Creak Mine on their refuse site (permit #0-1009-93) without the necessary and proper rights and authorization.	ROBLEE COAL COMPANY
0300700	1/17/2002 11:00:50	Trucks hauting cost from \$-3004-00 are creating noise pollution using engine brakes to descend the grade at the mouth of Pilch Creek.	POWELLTON COAL COMPANY, LLC
0308700	1/24/2002 10:40:03	Coal truck traffic on 60/3 between Rt. 39 and the Rich Creek Hautroad is a danger to local traffic. Trucks wasting in find by roadslide obstruct view of oncerning Intilli. Roadslide borros breaking down to lines under increased weight cause wick povernent or	
O301095	7/5/2001 09:10:00	Black water cerning from Marfork Coal Co.	MARIFORK COAL COMPANY, INC
O301095	9/21/2001 15:00:00	Blasts on 9-16-01 \$\Phi\$ 10:00 am and 11:00 am and on 9/19/01 \$\Phi\$ 4:15 p.mExcessionely loud and shorth her residence also 9/21/01 at 4:25 p.m.	MARFORK COAL COMPANY, INC
0301985	19/5/2001 13:17:00	Blasting has shaken homes, gisce artifacts moved, mirror shiftedon lollowing dates 9/18/01 \$10:30-11:30 am, 9/19:01 \$1615, 9/21/01 NTN, 9/26/01 \$11:35 a.m., 9/27/01 \$1630, 19/3/01 \$1630.	MARIFORK COAL COMPANY, INC
O901095	1/8/2002 16:29 01	Blast 1/8/02 at 4:20 p.m Blast shook house, knocked stuff off window side.	MARFORK COAL COMPANY, INC
O901095	1/8/2092 16:30:01	Blost -4:20 p.m. on 1/8/02. Really strong blast -things fell off counters in this mobile home. shook his home really bad.	
O301095	1/10/2002 16:23:01	Bloot 1/10/02 Ø 4/10 p.m. similar to the one on 1/5/02, knecks things over.	MARIFORK COAL COMPANY, INC
C301965	1/14/2002 15:30:01	Blasting on 11/22/01 & 4/45, 12/17/01 & 4/17; 12/27/01 & 3:50; 12/25/01 & 3:50; 340, 3:50; 12/25/01 & 3:50;	MARFORK COAL COMPANY, INC
O301095	1/16/2002 13:59:00	Blasting on 175-02 of 4:05 and 4:12 p.m. knocked guitering extensions tense and cracks in cotting and waits, and also bathroom.	MARFORK COAL COMPANY, INC
O391996	1/22/2002 15:40:00	1/22/02 & 10:45 and 1/21/02 & 3:47, 4:00, 4:04, 4:07, 4:35	MARFORK COAL COMPANY, INC
0301095	1/22/2002 16 10:00	Blasting on 1/19/02 & 1/29, circlerblock house, house shook and fell in their feet.	L
O391095	1/23/2002 16:90:00	Blass at 1/23/02 @ 4:26 and lasted 3 to 4 seconds.	MARFORK COAL COMPANY, INC
Q301995	1/29/2002 13:96-00	शिडबं shook house and shook her as well 1/29/02 के 1:23 p.m.	MARFORK COAL COMPANY, INC
Q301489	8/9/2001 11:02:14	Blasting shaking her house.	KINGSTON RESOURCES INC
0302493	8-8-5001 09-39-90	Preparted black water in marsh Fork coming from Mastork Coal (Company.	MARFORK COAL COMPANY, INC
O302493	1/39/2002 15:05:00	Mr. Woody is concerned that Misseey Coal operations along Marsh Fork are dumping or allowing chomicals to content the stream. Mr. Woody has had recent health problems that he ballows are related to the chomicate he gots this in his water from the Whitosvili.	
0500391	11/27/2001 15:90:00	IN ONE TO A THE WHAT THEM THE WHITCH AND PROBLEMS OFF PERMIT AREA WITH SMELL.	CC COAL COMPANY
O500391	1/17/2002 16:45:00	DUST ON HIGHWAY AT AND NEAR ALL LOADING DOCKS ON REFERED TO STRECK OF US SO, PERMIT MANBERS INVOLVED (MOLUDE: ADULA LOADING DOCK - PERMIT MO-5061-07 - NPDES (MVV)09878. C C COAL CO. PERMIT #0-5003-91 - NPDES (MVV)101688. PER COAL CORP. PERMIT MO-5	CC COAL COMPANY

O500788	12/28/2001 15:00:36	DUST IS PUINNG THEIR HOMES. THEY ARE DIMENDED TRUCKS. OVER A HIGHWALL AND 90'S OF THE TIME THEY DON'T USE ANY WATER ON THE COAL. THEY ARE ALSO LOADING TRAINS AT INIGHT AND NOT USING ANY WATER WHERE THE COAL COMES OFF THE BELT AND IT CAUSES A BIG CLOUD OF D.	MATE CREEK ENERGY OF WV INC
		OF THE BEET AND IT CALEBOOK BIS CLOOD OF D	
O500788	1/6/2092 14:45:30	DUST IS RUINING HIS HOME. BAYS DUST IS EASY TO SEE TODAY SINCE IT HAS SNOWED. THEY ARE NOT RUINING THEIR WATER SPRAYERS. RESIDENT ALSO SAYS THEY ARE DUMPING AND	MATE CREEK ENEAGY OF WV INC
		LOADING TRAINS DURING NIGHT.	
O500788	1/16/2002 (9:36:57	COMPLAINANT SAID SHE WANTS AN INSPECTOR TO COME TO HER HOUSE AND LOOK AT THE DUST ON HER CAR AND ON THE SNOW BEFORE THE SNOW MELTS TODAY, SHE SAID IT WAS TERRIBLE.	MATE CREEK EMERGY OF WV INC
OS01795	7/17/2001 10:30:00	"COAL DUST IS GETTING ON MY CUSTOMERS (AND MY) CARS	KANAWHA RIVER TERMINALS INC
OS01795	6/28/2001 19:30:00	FLIGHTIVE DUST WAS BLOWING OFF BONDED AREA & ONTO ME, FRYS PLACE OF BUSINESS WHICH IS LOCATED APPROXIMATELY 1909 YARDS SOUTH OF BONDED AREA WHERE DUST WAS GENERATED WHEN INVESTIGATED, ME 1FTY VERY UNICCOPPRATIVE & CONTINUALLY USED ARBUSINE LANGUAGE T	KANAWHA RIVER TERMINALS INC
O501795	9/11/2001 13:00:00	HOUSE HAS BEEN DUSTED FROM OPERATION NEAR HOME.	KANAWHA RIVER TERMINALS
O901992	8/23/2001 09:00:00	FISH KILL AT POND FORK.	OMAR MINING COMPANY
O594187	8:25/2001 13:05:00	TRUCKS ARE TRACKING COAL FINES ONTO HIGHWAY ON WHICH SINE TRAVELS TO WORK, GETTING CAR DIFTY EVERYDAY. CITIZEN STATED THAT TWO SEPARATE DOCKS WERE DOING THIS IN DIFFERENT AREAS AND THIS ONE "WASN'T SO BAD". CITIZEN WAS CONTACTED BY PHONE ON \$2801.	PEN COAL CORP
OS04187	1/17/2902 16:45:00	DUST ON HIGHWAY AT AND NEAR ALL LOADING DOCKS ON PREFERED TO STRETCH OF US DOCK. PERMIT MURBERS INVOLVED INVOLVED AND AND AND THE ACCUSTOR. ADULT A COADINATION OF THE AND	PEN COAL CORP
O506491	11/14/2001 12:39:00		ROCKSPRING DEVELOPMENT
Q996788	7/18/2001 10:16:09	BLACK WATER IN LITTLE COAL RIVER	INDEPENDENCE COAL COMPANY, INC.
O509066	9/17/2001 15:44:50	BROWN WATER RUNNING OFF MOUNTAIN INTO WEST FORK. BEFORE COAL COMPANY NEAR RAILROAD TRACKS. APPROXIMATELY 250 YOS. PAST RAILROAD TRACKS.	EAGLE ENERGY, INC.
O506187	\$V26:2001 13:09:00	TRUCKS ARE TRACKING COAL DUST ONTO HIGHWAY 52. SHE DRIVES TO WORK BY THIS AREA AND IS GETTING DUSTED DAILY. CITIZEN WAS CONTACTED BY PHONE ON WE., SEPT. 26. 2001.	JAQUILA DOCK, INC.
O506187	1/17/2002 16:45:00	DUST ON HIGHWAY AT AND NEAR ALE LOADING DOOKS ON REFERIED TO STRETCH OF US 52. PERMIT NUMBERS INVOLVED INCLUDE: AQUILA LOADING DOOK: PERMIT 30-3051-37: NPDES SWY005578. C C COAL CO. PERMIT 80-5003-91: NPDES SWY1010909. PEN COAL CORP. PERMIT 80-5	AGUILA DOCK, INC.
C508091	8:24:2901 69:58:56	CITIZENS ON DUNCAN FORK CONCERNED THAT DELBARTON MINING IS CONCUCTING MINING ACTIVITY BEFORE PERMIT IS APPROVED, WANTS TO ACCOMPANY INSPECTOR ON SITE	DELBARTON MINING COMPANY
C508091	8/11/2001 06:30:39	MAYBE A BLAST OF ROOF FALL SHOOK CEILING FANS AND COMPUTER APPROX. 8:00 P.M. 6:8:01.	DELBARTON MINING COMPANY
C/908091	11/16/2001 12:39:27	OUST FROM THE MINE IS VERY BAD.	DELBARTON MINING COMPANY
O569186	8/3/2001 20:30:26	RECEIVED CALL FROM D. WHITE ON 911 REFERRAL BLACK WATER IN POND FORK AT HARRIS.	EASTERN ASSOCIATED COAL CORP.
C601388	7/28/2001 12:09:00	The 911 dispatcher stated they had received a citizen's phone call saving that the rotuse dam at Chloopee Goal Company was overtepping and going to break. The dispatcher contacted Clay scritch and the Clay solution the department tire chief and had him.	CHICOPEE COAL COMPANY, INC.
O603988	10/15/2001 13:45:27	Complained the dock was letting trucks track debits from the bonded area onto US Rt. 60.	KANAWHA RIVER TERMINALS INC
P055390	9/12/9/001 14:02:17	Dust from Little Creek Deck.	APOGEE COAL CO DRA ARCH OF WEST VIRGINIA, INC.
P055990	10/2/2001 16:30:58	Dust from Little Creek Drick.	APOGEE COAL CO DBA ARCH OF WEST VIRGINIA, INC.

P0553(9)	19/16/2001 10:28:02	Dust at Shrewabury.	LITTLE CREEK DOCK COMPANY.
P060500	7/23/2001 12:00:59	REFEINED FROM TONY GRIBAC 7-2001 1265 9.M. BLASTING HAS CAUSED DAMAGE FROM HOME. SIDING LOSSE ON HOME. HAS HAD PHEBLAST SURVEY COME BY JUPITERY CALLSTID; 2ND SLRIVEY BONE BY UNKNOWN, NO COPYYET. (TMARCHY) BAD BLAST ON 1-21H(4) "BLAST 12-401 AT 54.	
P060500	8/8/2001 05:49:11	CALLED ABOUT BLASTING TO M. MAYS: CALL REFERRIED TO LOGAN OMR ON 8-8-91 FROM OBE. CITED 4 DATES & TRACES FOR BAD SHOTS: 6-1991 09:23. B-1-01 5-72 p. 8-0-1-01 7-20 p. AND 68-03 5-59 p. CALLED TO COMPLAIN ABOUT BLASTING, BUT NOT ICLAIMING ANY DAMAGE	JUPITER COAL CO INC
P06(600	8/21/2001 08:09:07	BLASTING DAMAGE TO HOME. FOLLOW UP BY LIT PACK 01-03-02 - BLASTING DAMAGED HOUSE. (SEE PREVIOUS MR-35'S)	JUPITER COAL CO INC
P060500	8/23/2001 17:00:38	VERBAL AND WRITTEN COMPLAINT REGARDING BLASTING OPERATIONS AND BLASTING SHAING HOUSE. IDENTIFIES BLASTS ON 6/19, 8/1; 8/3; A 9/2? OF 2001	JUPITER COAL CO INC
P080500	9/12/2001 10:30.61	FELT BLAST & HEARD NOISE FROM BLAST AT 9.50 AM. THIS DATE, ARTER RECENT TERROREST ATTACKS, THIS BLAST IS SCARES KIDS WHO ARE NOT OLD FROUGHT TO DISCEPS DEFFERENCES WOULD LIKE COMPANIES TO LIMIT OR CEASE BLASTING FOR A DECENT PERIOD UNITE. ADJUSTMENT CAN BE IM.	JUPITER COAL CO INC
P060500	10:2/2001 12:00 18	BLASTING EVENTS SHAKING HOUSE, LETTER IDENTIFIES EVENTS ON 8/27: 945: 95: 9/15: FOLLOW UP BY L.T. PACK 01-03-2002 - BLASTBYG SHAKING HOUSE	JUPITER COAL COINC
P069500	1/15/2002 08:00:21	PREPORTING BLASTING DATES THAT SHOOK HOUSE, DATES - 10- 10:24 - 11:2:6:7:8:13 - 12:8: 26-12; 4. NO REPORT OF DAMAGES NAT THIS TIME (LETTER ATTACHED) "WOODE HAS TRIBLE! REPEATEDLY TO CONTACT MS. CASTLE AT PHONE # PROVIDED. PLEASE PROVIDE ADDITIONAL PHONE.	JUPITER COAL GO INC
P060500	1/26/2002 13:50:11	BLASTING SHOOK HOME. SEE MR-35 DATED 1-15-02.	JUPITER COAL CO INC
P061200	8/23/2001 10:34:00	Very gray water in Missouti Run below the cost prep plant.	COASTAL COAL WEST VIRGINIA
P061200	9/18/2001 12:00:00	Foarny water in Missouri Run below preparation plant on 03/18/2001.	COASTAL COAL-WEST VIRGINIA
P061200	9/18/2001 14:15:00	Dead lish in Missouri Run below preparation plant	LLC COASTAL COAL WEST VEIGIND LLC
P061200	15/18/2001 14:00:00		COASTAL COAL-WEST VIRGINIA
P071266	10/17/2001 13:30:00		DANTE COAL COMPANY
P209601	6/18/2001 17:00:00	Domestic water well attacted by coal prospecting drifting nearby. Water historically of good quality, has had a bad hade, odor and particles in it since drilling commenced. Particles worse in hot water. Load of laundry maned. Drifting commenced that	CONSOLIDATION COAL COMPANY
C060284	9/28/2001 16:23:09	Milhille Quarry, Inc. is diffing again along road. It is loud and Mr. Friedman works at home. Also but time they (Milhille) caused come road subsidence. for Friedman would like warning signs posted.	MILLVILLE QUARRY, INC.
Q009573	10/24/2001 11:21:00	Blast of September 24, 2001 caused well to small like sulpher for 3 days then blasted.	FAIRFAX MATERIALS, INC.
Q021876	7/24/2001 10:15:00	Blast today shook flouse. House shows cracks on inside walls that she tools have been caused by blasting over the years. Walls are hop hair placets. Also a tence gate constituted recently will not properly class. House is an object house a modeled since.	entage; tumos
C021876	+1/15/2091 19:03:00	Dust, notes, darger to point, bissting are all problems Mr. Kennedy has with Riverton Corporation. The dust is bad especially at start up early in the morning. The notes from dumping and crushing is bad. The bissting trocks' his beuse and he is alread a.	
G200197	19:2/2001 11:15:00	Well water has become progressively worse. Has higher sediment, description and litter changes are required more frequently.	J. F. ALLEN COMPANY
0201900	8/22/2001 11:45:00	Discoloration of water from 'osit following blasting on Monday 09/20/01 and blasting 06/16/01. Water in tuitel tank was reported to have been muddy and white clathing was yellowish following washing.	J. F. ALLEN COMPANY
C201900	8/27/2001 11:10:00	Discoloration and muddings of water in Left Fork of Chanowell Creek downstream of new quarry. Maid appears to be originating at the new guarry. It is Kentz too published completely.	J. F. ALLEN COMPANY

B074900	l9/1/2001 07:16:29	IS ACK WATER IN BURICHEEK	BANDMILL COAL CORPORATION
R074890	8/1/2001 07:93:09	BLACK WATER SPILL IN BUM CREEK	BANDMILL COAL CORPORATION
Pi074900	1/2/2002 10:30:28	WATER FROM CONVEYOR DRIPPING ON ROAD AND FREEZING	BANDMILL COAL CORPORATION
8000985	8/26/2001 15:00:44	BLASTING ON 6.13-01 AND 6-23-01 WAS HARD AND SHOOK HIS RESIDENCE	ALEX ENERGY, INC.
S000965	7/11/2001 14:00:52	BLASTING ON 7-9-01 AT 4-47 AND 7-13-01 AT 4:08 SHOOK HIS HOUSE AND KNOCKED PICTURES OFF THE WALL.	ALEX ENERGY, INC.
5060965	7/18/2001 97:41:04	DUST FROM 8-9-85 PERMIT	ALEXENERGY, NC.
\$090985	8/7/2001 08:25:28	Blast on 8:07 s.m. was a "wingdinger" of a blast.	ALEXENERGY, NG.
9000995	9/6/9001 10:43:07	BAD BLAST AT 10/40 A.M. TODAY 9-6-01, OEB INSPECTORS WERE AT HIS HOUSE AND HAD GONE ON THE JOB ABOUT 39 MINUTES EARLIER	ALEX ENERGY, INC.
5001584	11/2/2001 11:20:00	Trucks hauling sludge have crushed cutzen in driveway.	OMEGA MINING CO INC
\$902576	8/21/2001 09:00:00	Bladting at Evergreson Mining Company complex has shaken house several times. House is under construction and paster work has cracked at corners of windows (interfac). He repaired it once but how is branked again. Mr. Green is concerned shaking from bit.	EVERGREEN MINING COMPANY
5000576	8/22/2001 12:00:00	Well no longer can earnly household. Quality is declining and softner	EVERGREEN MINING COMPANY
	8-22/2001 12:00:00	your no longer can explay nousement. Catainy is decoming an explana- cian no longer adequately treat. Well has been running dry. Owner is concerned bisst vibrations felt at house has affected well. Contractor is diffiling a new well as old one can no!	E VERNEEN MENING COMP AN
S003576	8/24/2001 16:48/00	Blasting at Evergreen has been shaking house. Damage has occurred to chimney and it is leaking users in when it rains. The Words believe the damage was caused by blasting at the Evergreen complex. No agestic shets were referred to.	EVERGREEN MINING COMPANY
8005780	10/18/2001 14:34:00	Property not reclaimed. County read is not adjacent to property anymore. Access to property is gated.	UPSHUR PROPERTY, INC.
8004385	8/5/2001 10:05:00	Read at her house was destroyed by last vicek's flend. She says (2) people hasve tried to get to pord above her house to treat water and check water. She has been told that pends washed out during the flood.	ALEX ENERGY, INC.
8007262	9/14/2001 13:40:00	Very concerned over conditions of a pand located in Upper Brewsterdals History that was damaged by flood event of July 9, 2001. The emergency gathway lass vasified out all tip-ray and the primary exit pipe has been blocked by debris and beavers. There ic a	BLUESTONE COAL CORPORATION
9007262	11/27/2001 09:21:00	The road going to Brewsterdate past the filed Foxx Surface Mine is very mustry when it rains.	CORPORATION
9007282	11/27/2001 08:21:01	The road going to Brevisterdale past the Fisd Fox Surface Mine is so muddy when it rains that his wife cannot get to work.	BLUESTONE COAL CORPORATION
S007262	12/10/2001 00:00:00	The road going to Brewsterdale past the Red Fox Surface Mine is very muddy when it rains. The ceal company to building berms on county proad, causing it to be terrible for local traffic. The term being constructed does not allow tooin for 2 lene traffic a	BLUESTONE COAL CORPORATION
\$007282	12/16/2001 09:01:00	The road going to Browsterdale past the Red Pox Surface Mike is very inustry when it rains. The coal company is building barms on county roads causing the road to be terrible for local traffic. The berm being constructed does not allow room for 2 tans tra	BLUESTONE COAL CORPORATION
\$007505	189/2002 14:00:29	PORCH ON HIS HOUSE IS SEPARATING AT THE TOP. ALSO, SHINGLES HAS A LONG CHACK, HE BELIEVES IT'S CAUSED BY BLASTING.	APOGEE COAL CO DBA ARCH OF WEST VIRGINIA, INC.
\$998850	7/23/2001 12:39:01	BLAST AT 12:15 P.M. ON 7:23-61 WAS VERY LOUD AND BOULDER ROLLED DOWN INTO TIMBERS BEHIND HOUSE.	
Scoueso	7/20/2001 98:39:50	POND IN JISS BR. IS FULL. MUD IS COMING DOWN THE STREAM	
S009880	7:30:2001 10:10:24	BLASTING DAMAGED FIREPLACE IN MARCH OF 2001	TRACE CREEK COAL COMPANY
3998580	7/91/2001 12:66:98	WANTS WELL WATER CHECKED, WATER IS RED.	TRACE CREEK COAL COMPANY
SOCIAREO	8/8/2001 12:18:16	Blasting caused pictures to fall off the wall and one hit him on the head and injured him. Also caused clock to tall, turaking it.	TRACE CREEK COAL COMPANY
S008820	8:15/2001 17:05:06	at 2:10 p.m. leday a big black on old Magnet job shoot the house & rattled the door; caused a big dust cloud on the hill: lives at Preces Bottom Fid.; her fence is baside Jim's Br. pond read.	TRACE CREEK GOAL COMPANY
3008880	8/16/2001 08:20:27	Company is still shooting too hard. They are shaking house to pieces. Shot at 7:50 p.m. on 8/15/01.	TRACE CREEK COAL COMPANY
5008990	8/21/3001 14:00:28	Flard shots on 17th, 18th and 20th. Warns the selemograph shocked.	TRACE CREEK COAL COMPANY
8009980	8/28/2001 12:40:65	"Blast at approximately 12:30 very bad".	TRACE CREEK COAL COMPANY

5008469	911-2001 12-23/56	SHOT WAS ON WY1701 @ 12:23 P.M.: WANTS SOMEONE THERE	TRACE CREEK COML COMPANY
S008860	9/25/2001 10:30:32	CITIZEN STATED THAT ACCESS ROAD BETWEEN PONDS 5 & 6 IN HEAD OF RIFFE BRANCH HAS WASHED OUT AND IS MIFASSABLE IN SOME SPOTS, ALSO, PONDS NEED CLEANED: FULL OF SEDBLENT.	TRACE CREEK COAL COMPANY
5008880	9/26/2001 11:15:56	CEXTREMELY HARD SHOTS OCCURRED ON 821 & 150P M. AND 8/25 & 4:11 P.M. SHOOK HOUSE; TEARING IT TO PIECES	TRACE CREEK COAL COMPANY
5008880	16/2/2001 10:25:06	"BLAST AT 12.25, VERY BAD" OCCURRED ON 998 AND "BLAST AT 10-15 SHOOK EVERYTHING IN HOUSE" OCCURRED ON 10/2.	TRACE CREEK COAL COMPANY
5008880	11/8/2001 15:09:48	BLASTIN HAS BEEN SHAKING HOUSE HARD PROVIDED A LIST OF DATES AND TIMES OF BLASTS FELT. FORWARDED TO	TRACE CREEK COAL COMPANY
5008880	11/8/2001 16:00:47	INSPECTOR MINE ALLIE 11-15-01. JOHN FLESHER HERDENT STATED HE WAS OUTSDE DIGGING WATER LINE AND FELT VIBRATIONS AND AIR BLASTS ON 13-8-01. ALSO, RESIDENT IRCOURTED COPPES OP PREVIOUS COMPLAINT FORMS I EXPLAINED TO RESIDENT I WOULD HAVE TO GO THROUGH GREG TACKETT'S PAPERWORK AND FIND THE FORMS AN	TRACE CREEK COAL COMPANY
S005880	12/5/2001 13:00:55	CALL RECEIVED BY OUR OFFICE 12-401 AROUND 13:00 P.M. FROM RAVELLA IN NITIRO DINIT OFFICE CALL WAS ORIGINALLY TAKEN 13:3-0 AROUND 13:00 P.M. BY SOMEONE BY ARI GUALITY OFFICE AND REFERRED TO HERRAVELLAD FROM SANDY CONWAY AT ARI QUALITY HIS AFTERNOON.	TRAGE CREEK COAL COMPANY
5008690	12/11/2001 14:47:42	"CALLER SAID BLAST © 11:03 A.M. SHOOK HOUSE SO HARD THAT HER ROOF OPENED UP AND WATER LEAKED WITCH HER FOYER AND SOAKED HER NEW CARPET. SHE SAID ONE DAY IT SHOOK HER OFF OF A LADDER SHE WAS STANDING ON: PESIDENT ALSO COMPLANDED OF WATER OUGLITY PROBLEMS (TRACE CREEK GOAL COMPANY
S006880	12/18/2001 10/99:45	RESIDENT STATED THERE WAS A HARD BLAST ON 12-15-01 & 1929 F.M. & ON 12-17-01 & 1109 A.M. & 16:36 P.M. ALSO BLAST OW APPROXIMATELY 10:39 A.M. 12-16-01 (WHILE ON SITE) SHOT WAS FIRED. MR. MARQUM STATES HE HAS RECENTLY STARTED BIRLDING A PORCHION DECEMBER	TRACE CREEK COAL COMPANY
S008389	1/18/2002 04:11:57	PELASTING AT 4:10 P.M SHOOK HOUSE VERY BADLY.	TRACE CREEK COAL COMPANY
S008680	1/36/2002 12:39-54	FELASTRICAT 12:35 PM. KNICKED PICTURES OFF THE WALLS. HESDIENT THOUGHT THEY WERE SUPPOSED TO BE RECLAIMING BUT THEY ARE HAULING COAL EVERYDAY, DOES NOT BELIEVE THEY COULD POSSIBLY BE IN COMPLIANCE WITH LAWS."	TRACE CREEK COAL COMPANY
S012878	1/50/2002 15:40:00	GREY WATER IN BRAGG FORK, 2ND CALL PREVIOUSLY CALLED IN 178902.	HOBET MINING INC
S015177	10/18/2001 19:45:00	An individual ridentified as Clay Vint #80) radioad into the 911 Center that there was black water flowing down Lifty Fork. He requisited that the local conservation officer be notified. Immediately after hearing this conversation on a home scanner, lines	LAND USE CORPORATION
5021875	11/15/2091 09:15:00	Bleet at Evergreen Mining Company on 11/15/2001 at about 9:05 shock thouse. Last 2 days they have been blasting to hard.	MOUNTAIN VIEW COAL COMPANY
S023876	8/15/2001 17 90:00	Shot of 98/16/2001 at about 1 PM was very foud and shook residence hard.	EVERGREEN MINING COMPANY
S024076	9/7/2001 10:50:00	Shot of 09/97/2001 at about 10:30 was loud and shock house so hard it knowled a mounted days head off the wail. M. Bourman trelleres steh- shorts have damaged his house and properly. Damage includes oracles windows, cracks in block, and walkways. 2 small	5
S024076	10/34/2091 18:00:00	Dust from cast shot of 10/05/2001 at about 1:30 had settled into realdential area along Birch Rhest. Dust was very thick, especially at his mothers house. Inspector had spoken to Mr. Hellandswurth on 16/05/2001 hitsibilitating birthess of area, but we did	EVERIGREEN MINING COMPANY
9024076	11/2/2001 11:55:00	118:05:2001 while taking populate or area, but we use Shot of 11:09:2001 at chout 11:45 caused dust to sixter residential size strong Birch River. Dust was bad near his mathers house and along Route 62.	EVERGREEN MINING COMPANY
S024076	11/13/2001 09:05:00		EVERGREEN MINING COMPANY

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8024076	11/14/2001 09:48:00	Shot at Evergreen Mining Company on 11/14/01 at about 9:30 was ready hard and shook house bad.	EVERGREEN MINING COMPANY
\$109200	0/15/2001 11:00:00	Blasting on Patriot S 1002-00 is railling werdnes, shaking their house and causing things to tell off of shakes. Some cracks are accurating on	PATRIOT MINING COMPANY, INC.
200000000000000000000000000000000000000		the basemont water. This is a new home.	
2100309	9:27:2001 13:00:00	Mining on Patriot S-1002-00 has caused large rocks and sediment to be dopnished in the stream (Gushin Pun) behind his residence.	PATRIOT MINING COMPANY, INC.
8100209	19/24/2001 13:00:00	A chizon contacted the Office of Air Quality about dust blowing oil of Patriot Mining Company, inc. permit 5-1002-00	PATRIOT MINING COMPANY, INC.
\$100200	11/1/2001 06:57:00	Flyrock from Patriol Mining's Gueton Run North job was cast onto his property from blast put of the previous day.	PATRIOT MINING COMPANY, INC.
S100200	1/14/2002 13:90:00	Cost trucks lessing Pecial S-1002-05 (Guston Run job) are tracking smull onto Fit. 19. Complaint was called in to Morgantown OSM office and transferred to Mike Carloo, Inspector Specialist, DEP.	PATRIOT MINING COMPANY, INC.
S100297	11/9/2001 08:45:00	Mr. Medicy believes the church building received damage from bissting on Patriot Mining Co., inc. penilt 8-1002-97.	PATRIOT MINING COMPANY, INC.
5100488	9/14/2001 06:40:60	Debits from Sterling Faucet plant in Monongalia county is being dumped linto Freepost Mining's crisp pit.	
\$100595	9/13/2001 11:30:00	Surface mining has caused water quality in well to women.	CORPORATION FREEPORT MINIPIG
\$190797	7/6/2001 10:00:00	Blassling from Patrior's permit S-1007-97 has caused some cracks in	CORPORATION PATRIOT MINING COMPANY, INC.
0.00.01	Threat Heading	blacker. Also they are shaking his residence and things are patting knocked off of shaking.	PATRIOT MINING COMPANY, INC.
S109797	9/13/2001 14:30:00	Bolives that blasting has caused cracking in loundation and damage to chimney.	PATRIOT MINING COMPANY, INC.
\$100797	11/20/2001 11:00:00	Blasting from Patriot S-1007-97 has caused damage to their house	PATRIOT MINING COMPANY, INC.
\$100797		Patriot is not replacing topool on their property. Blasting signals are not always being heard and the completinants are consumed about blasting within proximity of the Ameltovilla School.	PATRIOT MINING COMPANY, INC.
\$100097	10/17/2001 11:05:00	Company failed to reclaim "off pennil" dicturbance on land of Oscar Linscomb. Two driff holes not filled.	GRACE ENTERPRISES, INC.
S101668	10/12/2001 09:30:00	Coal mining in the area has caused their wall to go bad. Water in wall has a high iron content causing an iron studge to clog water conditioner.	AMERIKOHI, MINING, INC.
S108686	16/24/2001 06:00:00	Deep rate on the ourlasse area where Sedanent Pond No. 2 was sectained caused his tractor and brash hog to become stuck.	AMBREC CORPORATION
\$200565	8/12/2001 17:90:00	Car got stuck in hole on County Rend 55/1, road on Nessee permit hour latarshall Williams residence. Had to have another vehicle pull him out of hole. May have damaged vehicle.	NESCO, INC.
\$200596	6/12/2001 17:15:00	On tote. Teay neve damaged venicle. Vehicle survive in hole on county read on Nerco permit near Marshall Williams residence. Had to be pulled out of hole.	NESCO, NC.
8200596	12/12/2001 11:00:00	Notice has disturbed and is mining on property owned by him. He also imdicated that he had not received any netficiation from Nesco prior to	NESCO, MC.
		mining.	-
\$200596	12/12/2001 15:00:00	Citizens have contacted from shorts Nesco. Chizens have told him that Nesco has been mining on their property and not paying royallies. Del, Preudinot wants to know how checks and balances are determined to	NESCO, INC.
\$201100	7/9/2001 09:30:00	Jees that all property owners are public royalities. Eleating at Fold Goal has been stanking house. Flynck from mining at head of Leatherwood landing in woods on Leatherwood olds of purmit. Did not receive notice for pre-blast survey from Fold. Concorned about future mining on this permit all work, got at landing to form the property of the permit and source, got and property of the form of the property of the permit and source, got and the property of the form of the permit and source property of the permit and source property of the form of the permit and source property of the form of the permit and the permit and the property of the form of the permit and the permit and the permit and the form of the permit and form of	FOLA COAL COMPANY, L.L.C.
S291129	8/27/2001 16:00:00	Blasting at Fels cost company surface mine cracked glass in four windows of fire Twentyside Bapitat Charch. Breakage occurred between church service on 690-0413 and 041-191. Mrs. Morris consisted company but they would not accept responsibility. They w	FOLA COAL COMPANY, L.L.C.
S201159	8/27/2001 11:01:00	Blasting since January 2001 has been shaking house, vibrating windows and moving edjects harigin on wall. Big blast on 0547201 clacked placker on fiving room colling. There have been many more since then 1a, 054301 © 537, 0820 © 129M, 0822 © 12:15	FOLA CÓAL COMPANY, L.L.C.
5201293	9/89/2001 14:06:00	Blost on 03/15/2001 at 11:03 shook house and caused well to get muddy. Well is 32' deep, drifted 1974. Since blast well has been muddy and discolored. He has had to replace paper cartridge filler every couple	FOLA COAL COMPANY, L.L.C.
S201293	12/18/2001 16:50:00	days. Blenting from a southern direction has caused damage to well. From a well holding 160 gallons to only about 30 gallons or less. Also blasting has shook home at different times.	FOLA COAL COMPANY, L.L.C.
5204988		Surface water coming from reclamation site causing flooding property damage.	C. & W. COAL COMPANY
5300495	10/5/2001 13:17:01	Stanling via Nitre Office.	CATENARY COAL CO
\$300495	10/5/2001 13:17:12		CATENARY COAL CO

\$300495 \$300495	10/5/2001 13:17:40	Bissing - complaint information via Nitro office. Pleasity good bisst.	CATENARY COAL CO
S300598	18/2/2001 09:09:06		CATENARY COAL CO
		Loud Blasts on: 9/27/01 @ 4:00 p.m 4:15 p.m. 9/28/01 @ 4:00 p.m 4:15 p.m. 10/01/01 @ 4:20 p.m.	ALEX ENERGY, INC.
8500598	184 2001 10:00:00	Loud Blasta en: 9/27/01 © 4:00 p.m 4:15 p.m.: 9/28/01 © 4:00 p.m 4:15 p.m.: 1091/91@ 4:20 p.m.	ALEX ENERGY, INC.
9907598	11/8/2001 14:22:00	Loud blasting - Complainant lost well. Blasting occurred during evening hours as per Joe : Wereds (son of complaintant). Blasting occurred on 11/8/01.	ALEX ENERGY, INC.
5300699	12/17/2001 16:52:00	Loud blasting: 12/17/01 at 8:30 a.m 9:00 a.m. and at 4:25 p.m.	ALEX ENERGY, INC.
5300598	12/19/2001 58:68:00	Loud bissting - 12/18/81 at 4:43 p.m.	ALEX ENERGY, INC.
\$300598	12/18/2001 09-12:00	Blast - 12/18/01 at 4:45 p.m. Very strong blast - shock his hause and hoticed window was broken. NOTE; he has tell bleats before but this was the strongest one his has fait.	ALEX ENERGY, INC.
5300598	1/23/2002 01:10:00	Blazting - cricks in the house.	ALEX ENERGY, INC.
\$300595	1/23/2002 08:45:00	Loud Blading - Stakes house and possible well. (NOTE: No specified itimes and dates).	ALEX ENERGY, INC.
9300598	1/23/2002 12:59:00	Blasting - shaking the mobile home.	ALEX ENERGY, INC.
5309598	1/25/2002 02:06:00	Very strong blast at 9:00 a.m. on this date. The mentioned blast shock	ALEX ENERGY, INC.
ESCENTION OF THE PROPERTY OF T	1723 2002 03:00 to	the house. (Closest active mine is Alex Energy permit # \$-2005-98).	ALEX ENEMAY, INU.
\$300598	1/25/3002 09:35:00	Very strong blass at 9:00 s.m. on this data. The mentioned blast shock house. (Choose active mins - Alox Energy - Permit 45: 2005-98).	ALEX ENERGY, INC.
S300599	7/28/2001 20:57:32	Dissel fuel on top of water in pond being pumped into Cabin Creek near Eakota. Cell-to hottime torswirded to DMR on 7739-01 & 10-55 a.m. Specialist Vernon was en site 7789-01 due to callout for impoundment impactions and tasked to Cabin Creek Waterahad	PRINCESS BEVERLY COAL CO
S300599	8/28/2001 00:02:00	Excessive dust, trucks leave dirt on road where they enter the paved county road.	CHICOPEE COAL COMPANY, INC
9300799	8/9/2001 10:98:53	Black water down the hollow from the active atrio.	ICC COAL COMPANY
5300796	8.9 2001 20:30:08	Black water in Four Mile Hollow of Lens Creek.	CC COAL COMPANY
5300998	12/38/2001 16:25:00	Blass 4:30 p.m. and 4:32 p.m. on 12/28/01. Rattled george dors, blass usually occurs around 4:00 p.m. averyday.	TRIPLE 'B' LEASING CORPORATION
\$301309	6/15/2001 12:00:48		UPPER KANAWHA VALLEY DEVELOPMENT CORP.
5301369	11/0/2001 15:95:09	Pumping station for filling up water trucks a about 10 feet from the back of his mobile home and water overflow running under the trailer causing damage.	UPPER KANAWHA VALLEY DEVELOPMENT CORP.
9301409	7/95/2001 04:10:17	Blesting complaint	PRITCHARD MINING CO INC
5301400	7/25/2001 04:10:51	Blasting complaint	PRITCHARD MINING CO INC
5301400	7/25/2001 04:16:57	Blasting complaint	PRITCHARD MINING CO INC
\$301400	89/2001 11:02:14	Blosting shaking her house.	PRITCHARD MINING CO NO
S301400	6/20/2001 11:02:14 6/20/2001 10:35:40	blooking shazing her nouse.	PRITCHARD MINING CO INC
S301400 S301400	11/1/2001 15:10:09	Blassing shaking house. Filling water truck out of seldom seen hollow of Dry Branch of Cable Creak, Creak is mostly dry.	PRITCHARD MINING CO INC
8301403	11/15/2001 09:05:40	Shist shaking house on 11/15/01 of approximately 6:45.	PRITCHARD MINING GO INC
9301400	11/15/2001 09:10:05	Blass shaking house on 11/15/01 of approximately 8:45	PRITCHARD MINING GO INC
B301400	11/15/2001 09:40:58	Blast shaking house on 11/15/01 at approximately 8:45.	PRITCHARD MINING CO INC
\$301400	11/19/2001 09:30:50	Blast shaking house on 11/15/01 at approximately 6.45.	PRITCHARD MINING CO INC
S301794	8/27/2001 09:09:00	Spring and three wells have opperienced water loss as a result of work done in the Left Fork of White Oak Creek by C C Coat Company	TERRY EAGLE COAL COMPANY LLC
5301999	12/4/2001 09:84:00	Shats on 12-1-01 at 11:50 a.m. and 1:54 p.m. ratiled the windows in her home.	INDEPENDENCE COAL COMPANY, INC.
S301996		Loud blesding on 12-17-01 between 4:12 4:27 and on 12-18-01 at 4:08 p.m. Believes blacking tree damaged har home.	COMPANY, ING.
5301990	12/18/2001 15:20:01	Blast on 12-17-01 between 2:00 - 4:00 p.m. was tousing with more yipration than ususat has noticed some damage to this home but doesn't know if I was caused by blasting or not.	INDEPENDENCE COAL COMPANY, INC.
S901999	12/20/2001 16:20:01	Blast on 12-20-01 shoot her house to the extent that the windows and lamps in the house railled, 2 or 3 blasts in a row. The blasts occurred between 4.05 and 4-19 c.m.	INDEPENDENCE COAL COMPANY, INC.
830 1999	1/7/2002 16:25:00	Blest on 1-5-02 at 2-25 pm, shock her home to the extent that the windows ratifed and shock and could test vibration under her feet, searest operation is independence or Propress Coal.	INDEPENDENCE COAL COMPANY, INC.
5301009	1/8/2002 15:20:00	Bleating on 1-8-02 at 4-20 p.m. sheek har home, knowledg things from the window site.	INDEPENDENCE COAL COMPANY, INC.
\$301999	1/8/2002 16:30:00	Blast on 1-8-02 at 4:20 p.m. shook his home to the extent that things feet	INDEPENDENCE COAL

S001999				
1/10/2002 03,10/30 1/10/2002 03,10/30 1/10/2002 10 3/30 1/	5301909	1/8/2032 18:25:00		
Make survey and fine in his proviously diagnoid demograte from thatking introveoligated by fine Selection from the Jurgan Office.	cylotetaylanda a a come a c	And the second second		
Spot			blast survey and that he has previously alleged damage from blasting	
3501699	S301989		Blasting is shaking her home on a requiar basis. The following dates	INDEPENDENCE COAL
\$201999			and firms are reported 11-22-01 4:45, 12-17-01 at 4:17p.m., 12-27-01 at 3:50 p.m., 12-28-01 at 3:39 p.m., 3:40 p.m., and 3:50 p.m.; 1-2-02 at	COMPANY, INC.
S201999	C201540	1017/20000 10:40:00	230 p.m., 1-3-02 at 10-00 a.m. and 3 mere	incention of
#35 p.m.; #bo. on 1920 of #10458 km. Shook har home. Miss. Williams is concerned that continued chaking will damage har hume. S301999 12/23/2002 14:19:00 Blassing on 1920/2 at 4.26 pm. shook har home. The blast based for 3 - NIDEPENDENCE COAL date occords. Miss. Pervisi is concerned about the continued chaking of her COMPANY, INC. S101999 15/29/2002 14:19:00 Blast or 14/29 pm. shook his home. The blast based for 3 - NIDEPENDENCE COAL COMPANY, INC. S301999 15/29/2002 14:19:00 Blast or 14/29 pm. shook his home. S101999 15/29/2002 14:19:00 S102199 25/29/2004 14:00 S102199 25/29/2004 14:00 S102199 25/29/2004 14:00 S102199 25/29/2004 14:00 S102290 10/19/2001 19/200 Blast or touring that deather his windows. S102290 11/29/2001 10/19/20 Blast on 10/19/20 14/4/20 pm. Shook him while his was in his house. CATENARY COAL CO CATENARY COAL COAC CA			neighborhood.	
Williams is concurred that continued chalking will damage has hume. S201999 1/29/2002 19:3001 10 S201999 1/29/2002 14:10:00 Bliss or large and a 1:29/20 at 1:29 p.m. chock the house. S201999 1/29/2002 14:10:00 S201999 1/29/2002 16:20:00 S201999 1/29/2002 10:00:00 S201999 1/29/2001 10:00:00 S201999 1/2	S301999	1/22/2009 15:48:01	Blasting on 1-21-02 at 3:47 p.m., 4:00 p.m., 4:04 p.m., 4:07 p.m. and	INDEPENDENCE COAL
4 soconds. Mis. Porrei is concerned about the continued shalling of her bottom. S01999 17902002 14:19:00 Blast on 1-29-02 at 1:29 p.m. chook the house. S01999 1292002 14:39:00 Blast on 1-29-02 at 1:29 p.m. chook the house. S02199 25:2002 64:49:00 S02199 25:2002 06:41:00 S02199 26:40 S02199 27:40:40 S02199 26:40 S02199 27:40:40 S02199 26:40 S02199 27:40:40 S02199 27:40 S02199			435 p.m.; also, on 1-22-02 at 10:45 a.m. Shook her learne. Mrs. Williams is concerned that continued shaking will damage her hume.	COMPANY, INC.
4 seconds. Mrs. Power is concerned about the continued chacking of her COMPANY, NC. horses. \$20199 17/9/2002 14:19:00 Blast on 1-89-06 at 1-29 µm. shock the house. \$20199 17/9/2002 14:19:00 Shock his horse and sattled the windows. The occurs several times a COMPANY, NC. S002990 \$25(2002 06-41-90) Loud blast his cattler his windows. The occurs several times a COMPANY, NC. S002990 \$25(2002 06-41-90) Loud blast his cattler his windows. \$2002900 \$25(2002 06-41-90) Loud blast his cattler his windows. \$2002900 \$25(2002 06-41-90) Blast on 101/101 of 4-490 µm. Shock him while he was to his house. \$2002900 \$25(2002 10-19-20) Blast on total 101/101 of 4-490 µm. Shock him while he was to his house. \$2002900 \$25(2000 11-19-20) Blast on 101/101 of 4-490 µm. Shock him while he was to his house. \$2002900 \$25(2000 11-19-20) Blast on 101/101 of 4-490 µm. Shock him while he was to his house. \$2002900 \$25(2000 11-19-20) \$25(2000 11-19-20) Blast on 101/101 of 4-490 µm. Shock him while he was to his house. \$25(2000 11-19-20) \$25(2000 11-19-20) Blast on 101/101 of 4-490 µm. Shock him while he was to his house. \$25(2000 11-19-20) \$25(2000 11-19-20) Blast on 101/101 of 4-490 µm. Shock him while he was to his house. \$25(2000 11-19-20) \$25(2000 11-19-20) Blast on 101/101 of 4-490 µm. Shock him while he was to his house. \$25(2000 11-19-20) \$25(2000 11-19-20) Blast on 101/101 of 4-490 µm. Shock him while he was to his house. \$25(2000 11-19-20) \$25(2000 11-19-20) \$25(2000 11-19-20) Blast on 101/101 of 4-490 µm. Shock him while he was to his house. \$25(2000 11-19-20) \$25(2	\$301669	1/22/2002 18 20:01	Planting on 1/99/09 at 4:98 o to shook har hame. The black tested by 2	BIDEDCHIDENCE (NO.6)
S019999 1228/2002 16:15:00 Sisted or local countries and settled the windows. This occurs several times a month, but this incident was the worns. S002190 25/5002 66-11:00 S002090 25/5002 66-11:00 S002090 10:00:00:18 S002090 110-2000 10:00:18 S002090 110-2000 10:00:18 S002090 110-2000 10:00:18 S002090 110-2000 10:00:18 S002090 110-2000 10:00:19 S002090 112-2002 12:00:25 Cateriary is blassing vary hard: feets like coal trucks are zoming through her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/27 at 3:50, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/2801 at 3:30, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/2801 at 3:30, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/2801 at 3:30, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/2801 at 3:30, 12/2801 at 3:30, 2:40 her home. Blass date and times - 12/2801 at 3:30, 12/2801 at 3:30, 2:40 her			4 seconds. Mrs. Piorrer is concerned about the continued shaking of her	
S001999 1/28/2001 16 15:00 Sister in Notificially, presibility underground on 1-29-06 at 4:30 p.m. Scheok his home and attitoth the windows. Scheok his home and attitoth the windows. COMPANY, INC. S002199 25/2002 06-41:90 Loud blast his catality his windows. PERFILE'SS EAGLE COAL CO (S002990 109/2001 16:92:91 Billiast for colorog. Shock home and shareh his mother high gin count. CATENARY COAL CO (S002990 11/6/2001 10:19:20 Billiast for colorog. Shock home and shareh his mother high gin count. CATENARY COAL CO (S002990 11/6/2001 10:19:20 Billiast for colorog. Shock home and shareh his mother high gin count. CATENARY COAL CO (S002990 12/2/2001 10:19:20 Billiast for colorog. Shock home and shareh his mother high gin count. CATENARY COAL CO (S002990 12/2/2001 10:19:50 Billiasting causing dismage. PRITCHARD MINING CO INC. S002999 7/2/2001 10:19:59 Billiasting causing dismage. PRITCHARD MINING CO INC. S002999 7/2/2001 10:19:59 Billiasting causing dismage. PRITCHARD MINING CO INC. S002999 7/2/2001 10:19:59 Billiasting causing dismage. PRITCHARD MINING CO INC. S002999 7/2/2001 10:19:59 Billiasting causing dismage. PRITCHARD MINING CO INC. S002999 7/2/2001 10:19:59 Billiasting causing dismage. PRITCHARD MINING CO INC. S002999 7/2/2001 10:19:59 Billiasting causing dismage. PRITCHARD MINING CO INC. S002999 7/2/2001 10:19:59 Billiasting causing dismage. PRITCHARD MINING CO INC. S002999 7/2/2001 10:19:59 Billiasting causing dismage. PRITCHARD MINING CO INC. S002999 7/2/2001 10:19:59 Billiasting causing dismage. PRITCHARD MINING CO INC. S002999 7/2/2001 10:19:59 Billiasting causing dismage. PRITCHARD MINING CO INC. S002999 7/2/2001 10:19:59 S002999 7/2/200	S001909	1/28/2002 14:10:00	Blast on 1-29-02 at 1:29 p.m. shook the house.	
Shork his home and railled the windows. This occurs several times a code of the company and control to this incident was the worse. \$302/190. 25/2002 06.41.90 tour blast their railles his windows. PERFILE SS EAGLE COAL CO (ATENARY COAL COAL COAL COAL COAL COAL COAL COAL	\$301969	1/28/2002 18:35:00	Bland or freel mentals, consolide underground on 1,20,00 at 4.20 n.m.	
S202799 25/2002 05-4190 Loud blast fish and the highest his windows. S202799 10/2001 10/	000,7000		Shook his home and rattled the windows. This occurs several times a	
S002790 1012200 101220	S305103	25/2002 06 41 00	A and blant that cutting No windows	DEED COPE IO C CON CO
\$302794 INCOCO 10.00 10.00 Blast on 11/60 at 4.01 p.m. Shock him while he was in his house. CATEMARY COAL CO Signature of the coal coal state of the coal coal coal coal coal coal coal coal				
S302390 11/02001 10 19:20 Blast on 11/60's 814:31 p.m. Shook him while he was in his house. CATEMARY COAL CO S302390 12/27002 12:00:25 Catemary is blassting very hard: feets like coal trucks are coming through. CATEMARY COAL CO her home. Blast date and times - 12:27 at 3:50, 12:28/01 at 3:30:34.0 and 3:30 and 12:02 at 20 am. S302693 7/27/2001 16:04:53 S302693 7/27/2001 19:94:94 Blasting causing damage. PRITCHARD MINNING CO INC S302693 7/27/2001 19:95:49 Blasting causing damage. PRITCHARD MINNING CO INC S302693 12/12/2001 12:05:50 S302693 12/12/2001 12:05:50 S302693 12/12/2001 12:05:50 S302693 12/12/2001 12:05:50 S302694 12/12/2001 12:05:50 S302694 12/12/2001 12:05:50 S302694 7/27/2001 109:05:50 S302794 20/17/2001 109:00 Cancerned valued ferrage caused by C C Coal Company in Left Furk of CC COAL COMPANY Whild Coak Creek. S302794 82/7/2001 09:00:00 Syring and three wells have expertanced water loss at a result of work Company on the Left Fork of While Coak Creek by C C Coal Company S302794 97/12/2001 109:00:01 Syring and three wells have expertanced verter loss as a result of work Company S302794 97/12/2001 14:05:00 Syring and three wells have expertanced verter loss as a result of work Company S302794 97/12/2001 14:05:00 Syring and three wells have expertanced verter loss as a result of work Company S302794 97/12/2001 14:05:00 Syring and three wells have expertanced verter loss as a result of work Company S302794 97/12/2001 14:05:00 Syring and three wells have expertanced verter loss as a result of work Company S302794 97/12/2001 14:05:00 Syring and three wells have expertanced verter loss as a result of work Company S302794 11:21/2001 19:30:00 Syring and three wells have expertanced verter loss as a result of work Company S302794 11:21/2001 19:30:00 Syring and three wells have expertanced verter loss as a result of work S302794 11:21/2001 19:30:00 Syring and three wells have expertanced verter loss as a result of work S302794 11:21/2001 19:30:00 Syring and three wells have expertanced verter loss as a result of	9202900			GATERNHY COAL CO
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S202599 1/29/2001 16:04:50 Blasting onesing distrating	S302390		her home. Blast date and times - 12/27 at 3:50; 12/28/01 at 3:30; 3:40	CATENARY COAL CO
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dome in the Left Fork of White Oak Creek by C C Coal Company. S302764 8L372001 08:83 02 Spring and these wellbe have experienced water loss as a result of work. S302784 9713;2001 14:00:00 New Year in Left Fork of White Oak Creek by C C Coal Company. S302784 9713;2001 15:00:00 New Year in Left Fork of White Oak Creek by C C Coal Company. S302784 11:13:2001 15:50 Max Workman wants water delivered. The water that the life C C C COAL COMPANY S302784 11:13:2001 15:50 Max Workman wants water delivered. The water that the life C C C COAL COMPANY S302784 11:21:2001 09:30:70 Cnew water lands has gone day and messod up pump. S302784 11:21:2001 19:43:00 One water lands has gone day and messod up pump. C C COAL COMPANY S302794 17:15:2002 14:30:00 Read of her houses is very stak. Can coal compasty put graved on R? S302794 17:15:2002 14:30:00 Read of her houses is very stak. Can coal compasty put graved on R? S302300 7/10:2001 13:00:06 Loggers howe construited a 4 feet high dam with 2 brevio inch pipes that were too small to handle the water flow. Says he has complished previously but nothing vess done. He wants aconrece to Investigate. S303300 7/16:2001 14:49:29 Concerned about a crack in one of the dams on the strip mins. More risk in is especied fromorew and she is concerned that more ficed damagos is possible. S304500 17:15:2002 15:15:59 Staking her house and on 17:1502 around 6:13th ours the Versions Necked over figures in her houses her visited was to her visits according to the Versions Necked over figures in her houses her visited was to her visited and the visited of the concerned that more ficed damagos is possible.	S302794	8/27/2001 09:09:00		CC COAL COMPANY
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S902794 1121/2001 09-30:00 One water tanks has gone dry and massed up pump. CC COAL COMPANY	\$302794	11/13/2001 13:50:00		CC COAL COMPANY
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that were too small to handle the water stive. Says he has complished previously but nothing was done. He went someone to investigate. S903390 716:2001 14:49:29 Concerned about a crack in one of the dames on the strip mine. More is not seemed about a crack in one of the dames on the strip mine. More is not seemed about a crack in the seemed about the seemed ab	5302794		Road to her house is very slick. Can cost company put gravet on it?	GC COAL COMPANY
ion is aspected former/nw and site is concerned their more fixed damages is proceable in proceeding the fixed size of th	S302290		that were too small to handle the water flow. Bays he has complished previously but nothing was done. He wants as mecone to investigate.	
Vibration knocked over ligurines in her china cabinet and caused her	5303399	7/16/2001 14:49/29	rain is aspected tomorrow and she is concerned that more fload damage	APPALACHIAN MINING INC
cupboard to fall open.				
\$409596 8#2001 12:00:00 Visitis oil in Branch near home. May be coming from surface mine PIONEER FUEL CORPORATIO	\$304589	1/15/2002 15:16:59	Blasting is shaking her house and on 1/15/02 around 15:13 hours the	
area. Site lot oil was in Boar Branch Hollow near Oceana.			Blasting is shaking her house and on 1/15/02 around 15:13 hours the vibration knocked over figurines in her china cabinet and caused her cupboard to full open. Visitis oil in Branch near home. May be coming from surface mine	APPALACHIAN MINING INC PIONEER FUEL CORPORATION

5400698	1/11/2005 08:36:30	Ceilings cracked seems to be worse since pre-blast survey done on 4/1299. Also has done remodeling since pre-blast survey -needs jundated survey.	PRINCER FUEL CORPORATION
5400596	1/29/2002 13:00:00		PIONEER FUEL CORPORATION
400597	12/5/2001 15:30:00	This sediment was not removed from the stream be. Very found blast was heard at approximately 24.5 PM on 125.01. Cilizen was not complaining about demage or ground vibrations but wanted to know where blast was coming from.	BLACK WOLF MINING COMPANY
3400597	12/21/2001 10:30:00	Felt a symble from a blast that shook her house around 5:30 pm on	BLACK WOLF MINING COMPANY
1400797	11/21/2001 00:00:00	Thursday 12-20-01. Would like to know where it is coming from. Mr. Richard Dillon contacted the Honorabie Nick J. Rahall. II office in	MIG-VOLLEASING INC
		reference to stress being on the graves at the Dillon Cemetery due to	
5460896	8/15/2001 10:30:00	Bissling on 8/0/01 caused diveiling to shake and caused storm door on the back of the house to come open. Rocks were heard falling through the breck in the weeds above the hours. Complaintant steles that no damese occurred.	PAYNTER BRANCH MINING INC
1400596	8/22/2001 13:09:00	Blashing from Paynter Branch Mining, Inc's surface minos in the area have caused damge to occur to his mahilis home located in Brown's mobile home park located at Cyclona, WV.	PAYNTER BRANCH MINING INC
3400656	8/28/2001 10:00:00	Bissting from Paynter Branch Mining, Inc. surface mines in the area have caused damage to occur to his mobile home.	PAYNTER BRANCH MINING INC
5460696	9/19/2001 11:00:00	Blast that occurred on 9/18/01 at 5:30 PM shock his house.	PAYNTER BRANCH MINING INC
3400886	R/19/2001 11:18:00	Blast that occurred on 9/16/01 of 5:30 PM afteck his house.	PAYNTER BRANCH MINING INC
9480896	11/7/2001 13:40:00	A blast that occurred on 11/7/01 at 3:31 PM shook his house excessively.	PAYNTER BRANCH MINING INC
5400996	11/7/2001 15:35:00	A blast that occurred on 11/7401 at 3:31 PM shock his house excessively.	PAYNTER BRANCH MINING INC
5400896	12/3/2001 15:00:00	Blasting that occurred on 12/3/01 at 12:25 PM caused excessive shaking to develling and the dust from the shot settled over the community and the furnes from blasting agents caused headaches to lake. Addins. That leated all evening the Addins believe bitast	PAYNTER BRANCH MINING INC
5400886	1/2/2002 19:00:00	Blest bas occurred on 1/3/02 at 9/50 AM was exceeded in that it shook items off of shelves and rattled windows. No damage reported.	PAYNTER BRANCH MINING INC
5400896	1/18/2002 17:99:00	Blasting on 1/21/02 at 4:31 PM shock so hard that if woke wife up and shock tv on stand. A shet that socured on 1/18/02 at 9:38 AM also stroph house. "Note-Complaint received from Logan DEP affice on 1/22/02.	PAYNTER BRANCH MINING INC
\$400/596	1/26/2002 14:50:09	Blasting that conursed on 1:25:02 and 1:25:02 shook his house extremely hard and the 1:28:02 blast also resulted in a cloud of died settling around the community.	PAYNTER BRANCH MINING INC
\$400595	1,98/2002 14:55:00	Blasting that occurred on 1/28/02 shook house extremely hard.	PAYNTER BRANCH MINING INC
9401197	7/25/2001 16:05:00	She stated that the strip job behind her house was turning loose muddy, black water and it also had a bad odor to it.	VIRGINIA ENERGY COMPANY
S401400	8/12/2001 09:15:60	Compliant received from the Office of Explicatives and Blasting. Mr. Modarwey states that blasting train 5-4014-69 on occasion shakes his house and he feels that it also has coused minor root damige. Mr. McGarvey does not seek compensation from JMAC, all h.	JIMAC LEASING INC
S401499	11/9/2001 15:00:00	Blooting from .MAC 5-4614-95 has shaken the horses saveral times and compliantant teels that the shaking is responsible for several ceiling crecks in that home and wants JMAC Inc. to pay fur repairs to the locilings.	JMAG LEASING INC
5401499	12/27/2001 06:50:00	Bissing in the pact months and especially on 12/26/01 has been severe and Mr. McGarvey teels that the blasting has caused ceiling damage to his house for which he would like to be compensated or have repairs made.	JIMAC LEASING INC
9401499	1/3/2002 11:10:00	Dust on havingeway. No water from gate to road.	JMAC LEASING INC
\$401499	1/28/2002 16:06:00	Dust on Rt 10 from coal haukege at JMAC.	JMAC LEASING INC
\$401469	2/1/2002 09:45:00	Blast at JMAC on 2/1/02 at 9:34+ shook house. (Notified by Larry Cook on 2/1/02 PM. Called oilizen 2/1/02; vielt to home with with Larry Cook	JIMAC LEASING INC
5401489	2/1/2002 09:45:01	on 2/5/02. Hard blast on 2/1/02 at 9:34+ also, duet on Rt. 10 from ceal bucks beswing JAAC. (Notified by Larry Cook 2/1/02 PM. Galled dilizen 2/1/02 y/sat is home with Larry Cook on 2/5/02.	JMAC LEASING INC
8401595	10/12/2001 10:00:01	Starting from the Pioneer Fuel Corporation 5-40-15-95 surface mine has caused Mr. Reach's house to shake an occasion over the past year and the teels that the blasting has resulted in the broken windows in his	PIONEER FUEL CORPORATION

\$401595	10/12/2001 19:61:00	Bloaking term the Picnose Fuel Curp S-4015-65 curiess mins has caused Mr. Reach's house to shake an oncassion over the past year and he feets that the biosing has resulted in the broken windows in his middle home. He further states that the blast that	PIONEER FUEL CORPORATION
S491999	10/12/2001 15:25:00	Complaintant stated that comsone had blasted and shook his house on 10-12-01 at approximately 3:15 PM. Complaintant sto stated that so damage had occurred but he wanted to know who blasted.	MID VOL LEASING INC
\$492586	12/21/2001 15:26:00	Plast shock has residence on 12/21/01 at 3/26 PM.	BLUESTONE COAL CORPORATION
\$500394	11/20/2001 12:30:00	BLASTING IS SHAKING HOUSE. THIS OCCUPRED AT 3:15 pm ON 11/29/01 AND AT 1200 ON 11/30/01.	CC COAL COMPANY
5500394	12/5/2001 16:99:00	BLASTING SHAKING COMPLAINTANTS HOME. I SPOKE WITH BOTH COMPLAINTS AND THEY SAID THAT THERE MAY BE DANAGE TO THEIR HOMES.	CC COAL COMPANY
5500394	12/14/2001 16:29:00	BLAST AT 1822 HRS. SHOOK ENTIRE HOUSE.	CC COAL COMPANY
8500395	7/25/3001 15:06:21	Mis. Baladan reported by phone on 7-25-01 that blasts were hard from Falcon Surface Job on 7-18-01 and 7-23-01. On 6-0-01 Mrs. Baladen reported blasts on 7-30-01 and 8-3-01 were herd and shook har legitlence.	FALCON LAND CO INC
\$500396	8/1/2001 14:00:00	BLACK WATER COMING FROM HOBET MINES ON UPPER MUD BIVER, GOING DOWN RIVER TO MUD RIVER DAM.	HOBET MINING INC
9500396	8/9/2001 09:10:50	WATER COMING OFF OF HILL 8/3/01. STANDING IN ROAD, DUST IN HOUSE. BIG SHOTS 8/3/01 12 NOON AND 3/30 - PIOCKS IN AIR.	HOSET MINING INC
d509396	8/24/2091 14:46:00	WATER HAS RECENTLY STARTED SMELLING LIKE ROTTEN EGGS. PRE-BLAST SURVEY WAS DONE 4/26/09 WATER WAS SAMPLED 2/11/99.	HOBET MINING INC
\$500086	9/18/2001 12:52:00	BLASTING IS SHAKING MOBILE HOME. WELL WATER NOW ISMELLS BAD.	HOBET MINING INC
S500096	9/19/2001 16:25:00	SITTING ON PORCH, CUP OF COFFEE ALMOST VIBRATED OFF.	HOBET MINING INC
		COMMODE TANK LID VIBRATED. (9:18/01) BLASTS BAD ON 9:12,M 19, 20, 24, 28 AND ON 10:1, 2. HAND DUG WELL 30 FT. DEEP USUALLY HAS 14.TO 15 FT. OF WATER IN IT NOW DOWN TO 6-6 FEET. DOESN'T KNOW IF BLAS	na vivolizanja da mara
Scorgee	19/1/2001 10:50:90	HAS COMPLAINED FOR OVER A YEAR ABOUT BLASTING "HISUPLANCE DAUDISTER SENT BY COMPANY SAYS "FROSTLINE" IS DAMAGING HIS FOUNDATION. BATURDAY AT 10:25 - 10:27 AM BLAST RATTLED DISHES IN CHIRA CABINET ON WALL, SON JACKPOSS THE HILL ALSO FEET BLAST. (19:59b))	HOBET MINING INC
5500396	11/90/2001 18:19:00	BLAST AT 4:05 SHOOK VERY BADLY - NEARLY KNOCKED OVER CHRISTMAS TREE.	HOBET MINING INC
\$690208	12/12/2001 16:01:00	COMPLANT THROUGH DEB. VERY LARGE BLAST AND LOTS OF VIRBATION, BESTIGHT LIVES SO HILL AND SO CONCERND ABOUT 14 MILE OF CONCERTS DRIVEWAY. LATER EXPRESSED CONCERN ABOUT DEEP MINING UNDER THE PROPERTY AND SUBSIDENCE DAMAGE. BLAST TIME 12/1201 AT 1746	HOBET MINING INC
8500999	10%:2001 10:00:06	COMPLANAME HAS MODICATED THAT THEY BELIEVE THAT DAMAGE HAS OCCUPIED TO THEIR RESIDENCE DUE TO BLASTING FROM ARCHIS BURFINER COMPLEX. NO SPECIFIC DATES INDICATED COMPLANAME DELIVES THAT THIS DAMAGE HAS OCCUPIED OVER AN EXTENDED PERIOD OF TIME.	APOGEE COAL CO DBA ARCH OF WEST VIRGINIA, INC.
\$800593	194.2001 10:09:42	COMPLAINT HAS ROCATED THEY BELIEVE THAT DAMAGE HAS OCCURRED TO THEIR RESIDENCE DUE TO BLASTING FROM ARCHE RUFFINER COMPLEX NO SPECIFIC DATES NDICATED COMPLAINT SELEVES THIS DAMAGE HAS OCCURRED OVER AM EXTENDED PERIOD OF TIME THROUGHOUT THE LIFE O	WEST VIRGINIA, INC.
SN01593	15/4/26\$1 10:00.49	COMPLAINANT HAS INDICATED THEY BELIEVE THAT DANAGE HAS SOCURIBED TO THEIR RESIDENCE DUE TO BLASTING FROM ARCHES RUFFIER COMPLEX NO SPECIFIC DATES INDICATED COMPLAINANT RELIEVES THIS DANAGE HAS OCCURRED OVER AN EXTENDED PERIOD OF TIME THROUGHOUT THE LIFE	APÓGEE COAL CO DBA ARCH OF WEST VIRGINIA, INC.
\$500593	1/4/2062 14:90:59	BLAST AT 1426 SHOOK HOUSE BAD.	APOGEE COAL CO DBA ARCH OF WEST VIRGINIA, INC.
\$500598	1/52/002 14:39:94	BLAST AT APPROX, 1426. SEISMOGRAPH IS SET UP NEAR BLAST SITE. "STILL SEE DEBRIS IN THE AIR, THOUGHT IT WAS GOING TO KNOCK SLIDING GLASS DOOR OUT.	APOGEE COAL CO DBA ARCH OF WEST VIRIGINIA, INC.

5590593	1/14/2002 12 57:10	BLASTING ON 1-12-02 & 1909 SHOOK HER HICKSE.	APOGEE COAL CO DBA ARCH OF WEST VIRGINIA, INC.
85/90692	7/26/2001 09:41:55	Mis. Vincent' complaint is that her well want bad other a shot on 7/19/91 and started going dry. Also, she feets her hause is within 7 mits radius and she wasn't given a notice to a pre-blast survey.	MARROWSONE DEVELOPMENT
S500692	8/5/2001 09/10/04	WELL ON RENTAL PROPERTY (RENTED TO JACK & ERMA	MARROWBONE DEVELOPMENT CO
5509692	8/14/2001 16:67:23	BLASTING THAT SHOOK FICTURES AND MIPROR OFF THE WALL BETWEEN FRIDAY AND 8-14-01, ALSO THE CEILING IS LEAKING AROUND THE CHIMNEY.	MARIAOWBONE DEVELOPMENT CO
\$500692	9/10/2001 19:11:39	BLASTING DAMAGES TO APARTMENTS HE RENTS, BLOCK FOUNDATION CRACKING. TWO WELLS, ONE WENT DRY FOR ABOUT A MONTH AND BURNED UP THE PUMP, BOTH WELLS HAVE ORANGE WATER.	MARROWBONE DEVELOPMENT CO
8599700	734/2001 11:30:24	CITIZEN DION'T RECEIVE A NOTICE FOR A PREBLAST SURVEY.	MARIROWRONE DEVELOPMENT
S599700	7/9/2001 58:55:44	CITIZEN STATED BLASTING DAMAGE TO WELL ON 7-3-01 4:35	MARROWSONE DEVELOPMENT
8590700	7/6-2001 11:49:08	MEAVY BLASTING SHOOK PICTURE FRAMS AT ABOUT 11:45 ON 7:5:01	MARIHOWBONE DEVELOPMENT
6500700	75/2001 12:00:98	HARD BLAST AT 11:45 ON 7:5/01 WELL WATER HAS CHANGED.	MARROWSONE DEVELOPMENT
S500799	7/10/2001 10:30:44	RESIDENT COMPLAINED OF EXCESSIVE BLASTING VIBRATIONS: CHANGES IN WATER (WELL): DAMAGE TO HOME: A UNSTABLE ROCKS ON HILL MAY BE IMPACTED BY BLASTING.	MARROWBONE DEVELOPMENT CO
850 9799	7/17/2001 11:07:24	PIEAL BAD BLAST ON 7/17/2001 AT 10:58 & 7/23/2001 AT 4:08 & 7/28/2001 AT 4:45. THE CHILDREN ARE SCAPED OF BLASTING & THE SHOTS ARE DAMAGING THEIR HOUSE.	MARROWBONE DEVELOPMENT
\$500700	7/28/2001 04:38:41	BLAST ON 7/25/2501 AT 3:55 & TWO SHOTS ON 7/25/2601 AT 4:11 SHUCK HOUSE REALLY BAD. HIS HOUSE HAS CRACKS IN HIS HOUSE THAT WASN'T THERE AT THE TIME OF THE PRE-BLAST SURVEY.	MARROWBONE DEVELOPMENT
S590700	8/28/2001 11 15:00	SHE RECEIVED A PRE-BLAST BURNEY IN JANUARY BUT SAYS THAT SHE HAS DAMAGES FROM BLASTING THAT HAVE OCCUMEND SINCE THE SURVEY WAS DONE, I.A. KITCHEN FLOOR IS SLANTED & THERE ARE CRACKS IN THE BATHROOM AREA.	MARIPOWBONE DEVELOPMENT CO
S500700	16/3/2001 16:09:26	BLASTING HAS CAUSED THE ROOF TO LEAK THE SHIMOLES AREA AROUT 12 YEARS OLD ALSO, THE FOUNDATION IS CRACKED AND THE CABINET DOORS WILL NOT CLOSE A PRE- IGLAST BURVEY WAS COMDUCTED.	MARROWBONE DEVELOPMENT CO
S520 760	10/11/2001 14:45:44	COMMIGETO THE CHRINEY AND FLOOR OF HIS HOME, BLASTING FROM MARROWBONE DEV. AROUND SEPT. 11, 2001. THREE SHOTS IN A POW IN THE EVENING CLOSE TO DARK. NO PRE- BLAST SURVEY WAS COMPLETED ON HIS HOME. HE LIVES ON MARROWBONE RIDGE 12 MEE PAST THE MISS.	MARHOWBONE DEVELOPMENT
9509997	7/90/2001 11:45:14	MUD RUNOFF OUT OF HOLLOW. THEY HAVE NO DRAINAGE BUT YVENT AHEAD AND MINED IT WITHOUT BUILDING A FOND. WOULD LIKE THEM TO CORRECT PROBLEM ON THE PRIVATELY COWNED PROPERTY THAT IS BEING MESSED UP.	TRECOUNTY MINING, INC
8601309	10/19/2001 09:07:10	BLASTING 2 TO 3 TIMES A WEEK AROUND 4:30 TO 6:45 BLASTS HAVE BEEN VIBRATING HOME. CONCERNED CONTINUED HARD BLAST WILL DAMAGE DWELLING, STRONGEST BLAST OCCURRED ON WEDNESDAY EVENING 10-17-01	HANNCO ENERGY CORPORATION
S501306	10/10/2001 13:30:52	BLAST SHAKING HOME. CONCERNED ABOUT STRUCTURAL DAMAGES IF HARD BLASTING CONTINUES. STRONGEST BLAST COCCURRED WEDNESDAY EVENING ABOUT 7:00 P.M.	HANNO ENERGY CORPORATION
S501300	19/19/2001 14:15:59	VIEDNESDAY ABOUND 8:30 P.M. BLAST SHOOK HOME, CONCERNED THAT HOUSE MAY BE DAMAGED IF CONTINUED.	HANNOO ENERGY CORPORATION
S501900	10/19/2001 14:39:02		HANNED ENERGY CORPORATION
\$501300	11/6/2001 16:36:26	ON 11-201 AT APPROXIMATELY 5:50 P.M. BLAST WAS FELT IN HOME BY OCCUPANTS. BLAST SHOOK WINDOWS IN DWELLING.	HANNED ENERGY CORPORATION
B501300	12/3/2001 08:57:50	CHAPRY BRANCH OF CHAUNCEY HOLLOW HAS BEEN VERY MUDDY FOR 3 DAYS, CITIZEN IS CONCERNED WATER ISN'T SAFE FOR HORSES TO DRINK AND HAS BEEN HAULING WATER FROM HOME.	HANNOO ENERGY CORPORATION

S501994	£2£2001 10:00:41	IELASTING FROM STAP DAMAGED GARAGE. BLASTS HAVE BEEN EXCEPTIONALLY HARD. HE ALSO HAS NEW HOUSE BEHIND HIS CURRIENT RESIDENCE WHICH HAS NOT BEEN SURVEYED, MR WOONEY INFORMED DEP THAT HE REQUESTED A SURVEY BUT IT HASN'T BEEN DONE YET.	HORIZON RESOURCES, LLC
		BLASTING FROM STRI	
S501594	7/5/2001 12:00:48	CHURCH PROPERTY (FELLOWSHIP HALL & PARKING LOT)	HORIZON RESOURCES, LLC
		IMPACTED BY MUD & WATER FROM LITTLE UGLY BR. ON 7-29-01. DISCUSSED VIA PHONE IN PAST & RECOMMENDED THAT A	
		WRITTEN COMPLAINT BE FILED WITH WYDEP, THIS WRITTEN COMPLAINT DETAILING DAMAGES & COST RECEIVED BY MY	
	and a second of the contraction		
8501594	8/1/2001 12:00:25	HOME RENTED BY COMPLANANT IMPACTED BY MUD & WATER FROM EVENT FROM LITTLE UGLY BRANCH ON 7-25-01. CAUSED BY HORIZON RESOURCES COAL CO.	HORIZON RESOURCES, LLC
5501594	8/1/2001 16:00:01	WATER & MUD DAMAGE TO HOUSE & PROPERTY FROM LITTLE UGLY BRANCH, WATER AND MUD IN WELL, "COMPLAINT FILED	HORIZON RESOURCES, LLC
		8/1/91 BY PHONE. RECEIVED FOLLOW UP WRITTEN COMPLAINT	
5501594	8/1/2001 16:00:22	9/5/01. WATER & MUD DAMAGE TO HOUSE & PROPERTY FROM LITTLE	HORIZON RESOURCES, LLC
S501594	8/1/2001 16:15:08	UGLY BRANCH, WATER & MUD IN WELL. PROPERTY IMPACTED BY WATER & MUD FROM LITTLE UGLY.	HORIZON RESOURCES, LLC
	1	BRANCH ON SUNDAY	
8581594	9/1/2001 16:30:56	BRANCH ON SUNDAY	HORIZON RESOURCES, LLC
\$501594	8/1/2001 18:45.07	PROPERTY IMPACTED BY WATER AND MUD FROM LITTLE UGLEY BRANCH ON SUNDAY	HORIZON RESOURCES, LLC
S501594	8/14/2001 10:59:58	PROPERTY DAMAGED BY FLOOD WATER FROM HORIZON RESOURCES LLC POND FAILURE, OUTBUILDING, HOT WATER HEATER, YARD & MAYBE WELL IMPACTED	HORIZON RESOURCES, LLC
8501594	8/14/2001 14:20:40	HOME DAMAGED BY FLOOD WATER FROM HORIZON	HORIZON RESOURCES, LLC
	1	PRESOURCES POND FAILURE, BASEMENT, YARD & PROPERTY DAMAGE.	
\$591694	8/17/2001 12:00:07	PROPERTY DAMAGED FROMBY FLOOD WATER FROM HORIZON RESOURCES POND FAILURE. "OPERATION HAS BEEN UNDER	HORIZON RESOURCES, LLC
		ENFORCEMENT ACTION SINCE 7-29-01, COMPLAINANT SHOULD READ THIS FORM CAREFULLY, BACK OF THIS PAGE EXPLAINS	
S501594	8/21/2001 12:00:06		HORIZON RESOURCES, LLC
SS01504	9/18/2001 12:00:40	BRANCH ON 7-29-01. PROPERTY IMPACTED BY FLOOD EVENT COMING FROM LITTLE	HORIZON RESOURCES, LLC
		UGLY BRANCH ON 7-29-01. CAUSED BY HORIZON RESOURCES COAL MINE.	
S501594	10/2/2001 10:00:33	HOME IMPACTED BY FLOOD EVENT OF 7-29-01 WHICH CAME FROM LITTLE LIGLY BRANCH WHERE HORIZON COAL IS	HORIZON RESOURCES, LLC
		LOCATED. PREVIOUSLY DISCUSSED WITH MS. ELSWICK ON	
5501504	16/11/2001 08:60:57	PHONE. *RECEIVED WRITTEN COMPLAINT THIS DATE. FLOODING EVENT OF 7-29-91 IN TWILIGHT, WV FLOODED	HORIZON RESOURCES, LLC
		HOUSE PROPERTY OWNED BY COMPLANANT: COMPLAINT WAS INITIALLY FILED VIA PHONE (SEE VALERIE ELDRIDGE). THIS	
		REPORT CONFIRMS RECEIPT OF WRITTEN LETTER OF	
\$501594	11/1/2001 13:39:24	(COMPLAINT, RESIDENCE IMPACTED BY JULY 29TH FLOOD EVENT FROM L.	HORIZON RESOURCES, LLC
J. 1204	11.112.001 10.00.44	UGLY BRANCH, HAD WATER & MUD DAMAGE & LOST SOME PROPERTY.	TOTAL OF THE OWNER, ELECTRICAL PROPERTY AND THE OWNER, THE OWNER, THE OWNER, THE OWNER, THE OWNER, THE OWNER,
SE91594	11/5/2001 09:00:39		HORIZON RESOURCES, LLC
S501594	11/14/2001 15:15:02	ENTERED IN ERROR/CORRECTED COMPLAINT WILL	HORIZON RESCURCES, LLG
		FOLLOWOUST FROM BLASTING SETTLING AND COVERING EVERYTHING	
\$501596	11/26/2001 09:10:56	BLASTING NOISE & VIBRATION EXCESSIVE, BLASTS ON 11-20-, 21, 26 & 27 VERY BAD, BLAST ON 21ST THE WORST, SHOTS	BANDMILL COAL CORPORATION
		OCCUR ABOUT 4:30 P.M. "PER S. CO'CHRAN AT SITE 12:3-01 - MR.	
		DICKERSON ALSO CONTACTED COMPANY. FOLLOW UP 12-3-01 BY LIT PACK - BLASTING NOISE & V	1
SS01596	12/18/2001 12:49:16	BLAST ON 12-18-01 AT 12:35 SOUNDED LIKE TRUCK PAN THROUGH HOUSE, WITNESSED HUGE CLOUD OF DUST COMING	BANDWILL COAL CORPORATION
		FROM SHOT.	
S501596	12/16/2001 12:40:57	BLAST ON 12-18-01 AT 12:25 WAS THE WORST HE'S EVER HEARD, SAID HE SAW A LARGE CLOUD OF DUST AND THEN	BANDMILL COAL CORPORATION
L		ROCKS FLY OVER THE HILL.	

	14	of	27
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£501796		Winshed out baside asmalary, training up creak. Creak is red. Road is washed out. Blasting has form up everything. Water is going down the troubleay to the complany.	ALEX ENERGY, INC.
\$501796		EXCESSIVE SEDMENTATION & EROSION ALONG LUIPEL FORK. ALSO, STATES THAT THE EXTRA FLOW OF LUIPEL FORK PARTIES. REDIRECTED THE STREAM IN AND AROUND HIS PROPERTY. ERODIANO OUT ROADS AND FERNEC LIVES. CITIZEN BELIEVES THAT SUPFACE MINING ON SAID PERMIT IS THE CAUSE.	ALEX ENERGY, INC.
\$501796	10/1/2001 14:14:17	'SPRING IS DRIED UP DUE TO BLASTING . NEED WATER! THIS SRPING IS SUPPOSEDLY BEING TESTED BY ACCULAB. MR. NEECE IS ADAMENT THAT THIS SRPING HAS NEVER GONE DRY.	ALEX ENERGY, INC.
S501796	10/23/2001 08:05:40	JOE MAYARAD CALLED FOR RAUL AND ALLEZ MEEGE WATER GET MADDY AFTER BLAST NO. CITIZEN PROVIDED A ONE GALLON SAMPLE OF WATER FROM THE WELL THAT WAS IMBIDDY TO HARQLD WARD DEP SUPERVISOR, CITIZEN WELL CALL DEP WHEN WELL WATER CLEARS UP SO A PRE-BLAST SAMPL	ALEX ENERGY, INC.
S501798	11/16/2001 12:20:37	MRI NEGGE STATED THAT HE IS HIGHLY CONCERNED ABOUT THE LOGGINGARUBBING ON POINT ABOVE ACCESS ROAD ACROSS FROM HOUSE. HE IS AFRAID A ROCK OR TREE MIGHT COME OVER HELL CONTO ROAD WHILE TRAVELING IT. MR. NECCE ALSO SHOWED ME HIS SPRING BEHIND HOME. HE SAID S	ALEX ENEFIGY, INC.
5501809		BLAST "SHOOK HOUSE EXCESSIVELY".	PEN COAL CORP
5501899		BLAST "SHOOK WHOLE HOUSE", NO DAMAGE REPORTED.	PEN COAL CORP
S901809		3 DATES: 1/1602 (2 SHOTS), 1st. 10:30 AM, DAMAGE NOTED TO KITCHEN CABINETS WHERE ANCHORED TO CEILING: 2bd. FURTHER DAMAGE TO SAME. 1/1702 SHOOK HOUSE & DOORS. 12:10 PM 3rd 1/1602 12:30 PM "SHOOK REALLY BAD". MEEKS HOME IS APPROX. 900 FROM SHOT. T	PEN COAL CORP
\$501900	11/29/2001 09:09:55	BLASTING ON THE AT TIES AND SES SHOCK EVERYTHING IN THE HOUSE, ALSO, BLASTING ON 11/29 AT 8-45 A.M. SHOOK THE STUFF IN THE HOUSE. THEY BLAST ABOUT TWICE A DAY AND IT SI MUCH WORSE SINCE THE THE COUNTY STREP HAS BEEN BOUGHT BY SOMEONE ELSE. THEY DON'T	TRICOUNTY MINING, INC
8501990	11/29/2001 09:02:32	BLASTING ON 11/27, 28 AND 29 WAS VERY HARD (VIBRATION). CALLER SAID THERE IS NO SENSE IN THEM BLASTING THAT HARD. SHE SAID IT SCARED THEM TO DEATH IT WAS SO LOUD.	TRI-COUNTY MINING, INC
5501900	11/29/2001 09:04:09	BLASTERG ON 11/27 AT 4:30, 11/26 AT 5:30 AND 11/29 AT 8:46 WAS VERY HAPD (VIBRATION), THERE IS NO SENSE IN THEM BLASTING THAT HARD, SHE SAID IT SCARED THEM TO DEATH IT WAS SO LOUD.	TRI-COUNTY MINING, INC
S501900	11/29/2001 09:23:45		TRI-COUNTY MINING, INC
\$56190g	12/3/2001 12:10:39	BLASTN WAS TERRIBLE LAST WEDNESDAY (1128) AND THURBOMY MORNING 911799, AND SIGHTLY BAD ON SATURDAY AROUND 200 (1291), HE HAS A CRACK WI HIS BASEMENT WALL AND IS EXPECTIONS MORE DAMAGE IF THEY CONTINUE TO BLAST AS HARD AS THEY HAVE BEEN HE THINKS THE 8	TRI-COUNTY MINING, INC
\$501900	12/3/2001 12:10:42	BLASTING AT 11:90 ON 11/28 AND 8:00 ON 11/29 SHOOK ENTIRE HOUSE.	TRI-COUNTY MINING, INC
\$502095	9/17/2001 14:27:00	PUT OFF SHOT AT 1:00 PM. KNOCKED OUT POWER ALONG DOG HOLLOW ROAD. ROLLED ONE ROCK AS BIG AS A 4 WHEELER AND ONE ROCK THE SIZE OF A VAN INTO COUNTY ROAD.	HOBET MINING INC
S592096	11/9/2001 13:56:00	RESIDENT PHONED CEB. LOUD BLAST HAM 1940 HRS. REQUESTING SERROGRAPH AT HIS RESIDENCE. WHEN CONTACTED HE STATED THAT HE ORDINARLY DIDN'T COMPLAIN ABOUT BLASTS BUT WAS CONCERNED FOR HIS WELL.	HOBET MINING INC
	and the second section of the second	BAD BLAST ON 12/13/01 AT 3:30 PM, HOUGHEST BLAST SINCE	HOBET MINING INC
\$602035	12/13/2001 16:30:00	BLASTING NEAR WALLS HOME. HARD BLAST AT AGOUT 3:30 SHOOK OVERHEAD LIGHT IN	ļ

8502097	10/16/2001 10:15:59	WELL IS DRY, SHE HAD COMPLIANCE MONITORING TEST HER	WHITE FLAME ENERGY INC
		WATER SHE HAS 2 WELLS AND A NATURAL SPRING AND THERE ISN'T ANYTHING SEEPING FROM THE SPRING AND THE WELL IS	
	1	DRY.	
S502997	10/26/2001 10:24:01	WELL HAS BEEN DRY FOR ABOUT A MONTH. SHE HAD NOT CALLED BEFORE NOW BECAUSE THEY THOUGHT IT MIGHT	WHITE FLAME ENERGY INC
\$502097	11/2/2001 11:35:16	RECHARGE BUT IT HASN'T BUCIDENT REPORT STATED THAT GEORGE MAYHEW CALLED IN COMPLAINT AS A REPRESENTATIVE FOR VERNON EDWARDS	WHITE FLAME ENERGY INC
		ALLEGING A DUST PROBLEM AFROUND 19:19 AT FOOT OF PRAGLAND MOUNTAIN.	
8502007		DUST IS TEPPRIBLE FROM TRUCKS TRAVELLING ON MYSTERY INCUNTAIN	WHITE FLAME ENERGY INC
5592007		DUST FROM BLASTING IS COVERING HOUSES, CARS AND LAWN FURNITURE	
S502007		DUST FROM BLASTING IS SO BAD THEY CAN'T SIT OUTSIDE THEIR HOUSE.	WHITE FLAME ENERGY INC
\$502396			COMPANY, INC.
\$502305		HER SON FELT A BLAST AT THE MARSH FORK ELEMENTARY SCHOOL AROUND 12 NOON TODAY (9-17-01), HE THOUGHT IT WAS A BOMB EXPLODING.	INDEPENDENCE COAL COMPANY, INC.
S50299		BLAST ON SATURDAY 12:1-01 AT 1315 SHOOK HIS HOUSE, MR BRADFORD SAW THE SMOKE FROM THE BLAST AND COULD TASTE IT	INDEPENDENCE COAL GOMPANY, INC.
\$502396	12/17/2001 15:44:22	BLASTING ON 12-17-01 AT 1636 AND 1636 SHOOK HOUSE	INDEPENDENCE COAL COMPANY, INC.
8502386	12/18/2001 08:10:53	LOUD BLASTING. HOME SHOWING CRACKS IN CELLING AND	INDEPENDENCE COAL
		WALLS SHE BELIEVES ARE CAUSED BY BLASTING. SHE HAS NTO RECEIVED A CALL FROM THE INSPECTOR. THE OAK HILL OFFICE SAID HE WOULD CONTACT HER FROM COMPLAINT ON 11-2-61. BLASTS ON 12-17-01 & 1812 & 1837 - 12-19	COMPANY, INC.
8502395		2 OR 3 BLASTS, SECOND BLAST LOUDER AND MORE VIBRATION, NOTICED GRACKING IN DINING ROOMFLORIDA ROOM, STATED HE HAS PREVIOUSLY HAD 2 BROKEN WINDOWS REPLACED.	INDEPENDENCE COAL COMPANY, INC.
		DOESN'T KNOW IT WAS CAUSED BY BLASTING OR NOT, SHOT ON 12-17-01 BETWEEN 1400 AND 1600, MR. PETTR	Automorphis
8502396	1572002 16:25:44	BLAST ON 1-5-02 & 1824 SHOOK THE WINDOWS IN HER HOUSE AND SHE FELT HER FEET SHAKING.	INDEPENDENCE COAL COMPANY, INC.
5502796	1/0/2002 16:29:04	BLAST ON 1/6/02 AT 4:20 PM SHOOK HER HOUSE AND KNOCKED THINGS OFF WINDOW SILL	INDEPENDENCE COAL COMPANY, INC.
\$502288	1/8/2002 16:36:37	BLAST ON 1/0/02 AT 1820 SHOOK MOBILE HOME REALLY BAD.	INDEPENDENCE COAL
		THINGS FELL OFF COUNTERS IN HOME. "REALLY STRONG BLAST".	COMPANY, INC.
\$502396	1/8/2002 16:35:16	BLAST AT APPROXMATELY 1825 ON 1/8/02 RATTLED WINDOWS, KNOCKED THINGS OFF OF WALLS & CRACKED DRYWALL.	INDEPENDENCE COAL COMPANY, INC.
S602398	1/10/2002 15:25:53	ON 1/10/12 AT 11/9 A BLAST SHOOK HER HOME; WINDOWS BROKEN, HOUSE BEING TORN APART, THIS BLAST BRICKE	INDEPENDENCE COAL COMPANY, INC.
\$502396	1/10/9002 16:15:40	GLASS TABLE PART OF TV STAND. LARGE BLAST ON 1/16/02 AT 1610 SIMILAR TO SHOT COMPLAINED ABOUT ON 1/8/02.	INDEPENDENCE COAL COMPANY, INC.
S502396	1/10/2009 16:23:32	BLAST ON 1/10/02 & 1610, SIMILAR TO ONE ON 1/8/02: THINGS KNOCKED OVER.	INDEPENDENCE COAL COMPANY, INC.
8502396	1/14/2002 15:30:25	THIS BLASTING COMPLAINT WAS FORWARDED TO LOGAN OFFICE FROM MIKE FUREY FROM DEP OAK HILL OFFICE.	INDEPENDENCE COAL COMPANY, INC.
L		COMPLAINANT INDICATED 15 SHOTS SHOOK HER HOUSE.	INDEPENDENCE COAL
S5023%	1/17/2002 19:42:11	BLASTING ON 1/16/82 & 19:30 AM SHOOK HOUSE.	COMPANY, INC.
5592396	1/22/2002 16:10:02	BLASTING ON 1-19-62 @ 1929, HOUSE SHOOK AND THEY FELT IT IN THEIR FEET.	INDEPENDENCE COAL COMPANY, INC.
5502998	1/23/2002 16:30:36	BLASTING ON 1-23-02 @ 1896 LASTED 3 TO 4 SECONDS.	INDEPENDENCE COAL COMPANY, INC.
S502599	19/11/2001 14:46:03	COMPLAINT PILED PREVIOUSLY: THIS WAS A FOLLOW UP INSPECTION ON WHETHER THE PRE-BLAST SURVEY SHOULD HAVE BEEN COMPLETED.	MARROWBONE DEVELOPMENT CO
\$502608	7/25/2001 14:37:58	Blassing at 14:35 shock entire house,, sheek clock off the wall.	PEN COAL CORP
\$502698	8/4/2001 11:54:10	2 complaints: (8-4-01 - 11:54) "house shook and water came guishing down grook, well gone day." (2) Blast shook house.	PEN COAL CORP

S502668		BLAST SHOOK HOUSE ("VIBRATED FOR 5 MINUTES") ("FELT LIKE" AN EARTHGUAKE") NO DAMAGE NOTED FROM THIS BLAST. SHOT WAS FIRED ON 85/01 AT 14:29.	
562698	848/2001 14/20/00	"WHOLE HOUSE SHOCK" AFTER BLAST WAS FIRED.	PEN GOAL GORP
3502898		SMOKE & BURNING LEAVES FROM FOREST FIRE ALLEGEDLY STARTED BY PERMITTEE IS COVERING HIS HOUSE AND CAUSING HIM AND FAMILY BREATHING PROBLEMS.	PEN COAL CORP
S502698	19/24/2001 14:10:00	BLASTING FROM PEN COAL IS "TEARING UP HOME", AMD CAUSING "DAMAGE TO (HIS) WELL".	PEN COAL CORP
\$502698	19/24/2001 14:35:00	WELL IS GOING DRY. SULFUR, IRON AND OIL IS IN WELL WATER, CITIZEN PEELS THAT BLASTING FROM PEN COAL IS CAUSING THESE PROBLEMS.	
9502698	16/25/2001 14:25:00	ICITIZEN CALLED TO VOICE CONCERN ABOUT FUTURE RESULTS OF "VERY HEAVY BLASTING" TO HIS HOME AND PROPERTY. HE STATED THAT HE GOULD INCURE DAMAGE. CITIZEN LIVES APPROX. 6008 FT. FROM LAST SHOOTING ACTIVITY AND SAME DISTANCE FROM FUTURE ACTIVITY.	PEN COAL CORP
\$502609	10/2022001 13:52:00	CRITIZEN STATES THAT DAMAGE WAS DONE TO THE "CEILING, SHEETHOCK, BLOCK AROUND HOUSE." ALSO, DOOR TO HOUSE IS "DAAGGING WHEN YOU SHUT IT", CITIZEN LIVES APPROX. 3000 FT. FROM LAST SHOOTING ACTIVITY AND APPROX. 3500 FT. FEDAM FUTURE ACTIVITY.	PEN COAL CORP
8502696	11/5-2001 16 03:00	"BLAST SHOOK WHOLE HOUSE", BLAST WAS AT 18:03 ON 11:501. CHECK OF LOG SHOWS SHOT IN COMPLIANCE.	PEN COAL CORP
S502698	11/28/2001 10:22:00	SHOT SHOOK WHOLE HOUSE.	PEN COAL CORP
S505098	8/16/9001 21 30:26	MUDDY MURKY WATER IN PREFZE FORK - NOT BLACK, BUT LIKE A MINE PIT WAS OPENED UP - LOOKED AT GEORGE'S CREEK. IT'S CLEAR	
S803095	8.93(2001-10:39-15	HETURIED CALL TO UPDATE IS! ALTZER ON FINDINGS OF COMPLANT A: 661, MRS ALTZER SAD HET GRANDDAUGHTER FOLIND DEAD MINNOVS IN DINCESS RUN NEAR OLD STOKE CHIERCH ON A: 701, BELLEVES THE FISH MERE KALLED BY THE PIT WATER DISCHARGE FROM FREEZE FORK ON 8-1	HIGHLAND MINING COMPANY
8503097	12/28/2001 15:56:00	AND 1/3/02 1628, RECEIVED ADDITIONAL COMPLAINT ON 1/7/02 FOR A RI AST ON 1/7/02 AT 1541.	ASSET MANAGEMENT GROUP INC
8503195	12/28/2001 15:55:00	HOUSE & RATTLED THE WINDOWS: 12/28/01 1555, 12/28/01 1638. AND 1/3/02 1628. RECEIVED ADDITIONAL COMPLAINT ON 1/7/02 FOR A BLAST ON 1/7/02 AT 1541.	INDEPENDENCE COAL COMPANY, INC.
S503198	8/10/2001 13:00:34	SRI VARINEY SAYS HIS PUMPHOUSE IS CRACKED (DAMAGED) ALONG WITH HIS WATER QUALITY. WATER IS MIDDLY HAS BOUGHT NEW HOT WATER HEATER, IS HOOKED UP ON PUBLIC WATER, LANTZ RANKIN CAME TO COLLECT WATER SAWEL AROUND AUG. I. RESIDENT SAYS HE ONLY WANTS DAMAGES T	LITTLE BOYD COAL CO., INC.
9504189	8/27/2001 15:30:54	Citizen complains of an excessively hard blast at approximately 3:26 p.m. on 8/27.	ALEX ENERGY, INC.
S5C4189	9/5/2001 09:15:41	GITIZEN WAS EINDLOYEE OF REGIONAL JAS, AT GASTON CAPERTON DRIVE. STATED THAT COAL TRUCKS WERE TRACKING DRIVE A SEDMENTATION ONTO GASTON CAPERTON DRIVE. THIS WAS HAPPENING IN THE SWITCHACK WHERE COAL TRUCKS WERE LEAVING THE REFUSE AREA.	ALEX ENERGY, INC.
S504180	2/14/2001 14:29:22	BLAST TODAY 2:20 TO 2:25 P.M. SHOOK HOME EXCESSIVELY.	ALEX ENERGY, INC.
8504159	5:16:2001 15:90:18	IVERY BAD BLAST AT 2 07 P.M. 9-18-01.	ALEX ENERGY, INC.
3585389	10/17/2001 13:40:17	OF BLASTS GIVEN. STARTED ABOUT ONE YEAR AGO, HAD SURVEY DONE BY COMPANY. "RECEIVED COMPLAINT FROM BEVERLY ROCHER ON 10-22-01. "REFERRIED FROM DEB 10-17-01.	ALEX ENERGY, INC.
5505509	10/19/2001 13:29:37	BLAST XT 1:10 - 1:15 SHOOK GROUND & IS AFRAID OF IMPACT TO WELL. LIVES IN COVE GAP BESIDE HORN HALL. "RECEIVED COMPLAINT FROM M. MODONALD 10:22-01 8:00 A.M ROLLOW UP BY LIT PACK 01:63-2002	
9505969	11/1/2001 11:14:29	BLASTING ON OR ABOUT 11-01-01 9:15 A.M. DAMAGED HOME AND IMPACTED WELL. COMPLAINT RECEIVED FROM STAFF 11-5-01 FOLLOW UP BY L.T. PACK ON 01-03-2002 TO TERMINATE	DIALEX ENERGY, INC.

OF ENVIONMERS AND BLASTINGS MRI HALL REPORTS WELL IS GOING DEP AND NOW CAN INFO PLAY NO LONGER THEN 15-20 MINUTES WITHOUT CISING WATER ADDIENDLANT OF COMPLIANT PREVIOUSLY REFERRED TO OFFICE ALEX ENERGY, INC. OF EXPLOSINGS AND BLASTINGS MRI BLAYTING MRI RUNYON REPORTS WELL IS GOING DEP. SECONDS DEP. 124/2001 12:00:04 MR. RENYCON CONTRACTED WYCEP ABOUT BLASTING ON THE FOLLOWING DATES 10:1909; 11/2.8.308.2000; 12/2001 11/20054 MR. RENYCON CONTRACTED WYCEP ABOUT BLASTING ON THE FOLLOWING DATES 10:1909; 11/2.8.308.2000; 12/2001 11/20054 MR. HALL CONTRACTED WYCEP ABOUT BLASTING ON THE FOLLOWING DATES 10:1909; 11/2.8.308.2000; 12/2001 11/20054 MR. HALL CONTRACTED WYCEP ABOUT BLASTING ON THE FOLLOWING DATES 10:1909; 22.24.31.2001 11/18.9.28.29.2001 AND 12-3-2001 11/18.9.8.48.29.2001 AND 12-3-2001 11/18.9.48.39.2001 AND 12-3-2001 11/18.9.48.39.2001 AND 12-3-2001 11/18.9.48.39.2001 AND 12-3-2001 11/19.2002 11/19.200				
GOND DRY AND NOW CAN RUN PUMP NO LONGER THEM 15-30	S506(28)	11/28/2001 18:13:25		ALEX ENERGY, INC.
MANUTES WITHOUT LOSING WATER	1			}
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S00599	8000039	11/28/2001 16:21/22		ALEX ENERGY, ING.
194/2001 12:00:06		1		1
FOLLOWING DATES, 1019091; 11/28.08.09/2001; 12/201 THIS MA-39 DOCUMENTS THESE CALLS. FOLLOW UP BY 1. T. P.ACK ON 91-03-2002 TO TERMINATE FOLLOWING DATES: 1019, 23, 24, 31, 2001 - 11/18.09.28, 28, 2001 MR-HALL COUNTACTED WING PAGOUT BLASTERG ON THE FOLLOWING DATES: 1019, 23, 24, 31, 2001 - 11/18.09.28, 28, 2001 MR-HALL COUNTACTED WING COLUMNISTS THESE CALLS. ALEX ENERGY, INC. S099986 11/02/2002 15-10/36 BLAST SHOOK HOUSE VERY HARDS: BLASTERG DEFICITY ALEX ENERGY, INC. BH-MIN HOUSE, CHACK, CHACK, SHEEP BERGER, LIVE BESIDE CALLS. ALEX ENERGY, INC. BH-MIN HOUSE, CHACK, CHACK, SHEEP BESIDE CALLS. ALEX ENERGY, INC. BH-MIN HOUSE, CHACK, CHACK, SHEEP BESIDE CALLS. ALEX ENERGY, INC. ALEX ENERGY, INC. BLAST SHOOD AMAGINS TO HOUSE. THIS IS CONTINUATION OF ALEX ENERGY, INC. BAST SHOOD AMAGINS TO HOUSE. THIS IS CONTINUATION OF ALEX ENERGY, INC. ALEX ENERGY, INC. CRAZY BLAST RIQ DAMAGINA! THIS HOUSE. AND HOUSE. THIS IS CONTINUATION OF ALEX ENERGY, INC. CRAZY BLAST RIQ DAMAGINA! THIS HOUSE. AND HOUSE OF HIS CONTINUATION OF ALEX ENERGY, INC. CRAZY BLAST RIQ DAMAGINA! THIS HOUSE AND HOUSE OF HIS BLAD HOUSE O	5505329	12/4/2001 12:00:06		ALEX PARTON INC.
S005999		The special records		ALEX ENCHOLI, BYG.
FOLLOW UP BY LT PACK ON 91-93-2002 TO TERMINATE		İ		1
\$24,9201 12,005-6 ISBN HALL CONTACTED WYOEP ABOUT BLASTING ON THE POLLOWING DATES 1019, 22, 23, 13, 201 - 1119, 82, 26, 20, 201 AND 12-3-2001 THIS INF-85 DOCUMENTS THESE CALLS SUBJECT CONTINUATION OF BLAST HAND LOSS 2001 THIS INF-85 DOCUMENTS THESE CALLS SUBJECT CONTINUATION OF BLAST HAND LONG, CRACKS AND BROGER LIVE BESIDE SUBJECT CONTINUATION OF BLAST HAND COMPANIT SUBJECT CONTINUATION OF THE WALL BLAST SUBJECT CONTINUATION OF BLAST HAND COMPANIT SUBJECT CON		1		}
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SS09588 1/102002 15 10 49 ILAST SHOOK HOUSE VERY HARDE BLASTING DIRECTLY SERVIN HOME, GRACKS ARE BROSEN LIVE BESIDE SUBJECT		1	AND 12-3-2001. THIS MR-35 DOCUMENTS THESE CALLS.	-
SS005989	\$505/389	1/10/2002 15:10:46	BLAST SHOOK HOUSE VERY HARD; BLASTING DIRECTLY	ALEX ENERGY, INC.
1/28/2002 14.09.05 BLASTERG COMPLANT		İ		
\$600,000 14,000 14,000 16,000	S509289	1/28/2002 14:00:13		ALEX ENERGY, INC.
SSUB-999 SSUB-900 16-10-42 SYSTING COMPALANT	THE SECRET AND ADDRESS.			1
SSID-929	8505389	1/29/2002 14:90:52		ALEX ENERGY, INC.
SEG-1899 90-2010 10-20 0 10-				
\$2505489 \$25001 10:43.97 RAD BLAST AT 1054 CALL TODAY 6-0.01, CDB INSPECTOR'S WERE ALEX ÉNERGY, INC. AT HIS NOUSE AND HAD GONE ON THE JOB ABOUT 50 MINUTES RATHER OWNERS AND HAD GONE ON THE JOB ABOUT 50 MINUTES RATHER OWNERS AND HAD BLAST AT 14.00 P.M., 9:24-01.	S505459	8/31/2001 16:10:42	VERY HARD BLAST AT 4:03 P.M., STORM DOOR OPENED, WILD &	ALEX ENERGY, INC.
ALEX EMERGY, INC. \$500489 (924,2091 16.05.30) VERY BAD BLAST AT 400 PM, 924-01. \$500489 (922,2001 12.05.30) VERY BAD BLAST AT 400 PM, 924-01. \$6050489 (922,2001 10.05.30) BLASTING RATTLED WINDOWS & SHOOK HOUSE. \$605039 (10.05.2001 00.05.00) BLASTING RATTLED WINDOWS & SHOOK HOUSE. \$605039 (10.05.2001 00.05.00) BLASTING RATTLED WINDOWS & SHOOK HOUSE. \$605039 (10.05.2001 00.05.00) BLASTING RATTLED WINDOWS & SHOOK HOUSE. \$605039 (11.05.2001 10.05.00) BLASTING SHAKING HOUSE & WINDOWS. \$605039 (11.05.2001 10.05.00) BLASTING SHAKING HOUSE & WINDOWS. \$605039 (12.05.2001 10.00.00) BLASTING SHAKING HOUSE & WINDOWS. \$606040 (10.05.2001 10.00.00) BLASTING SHAKING COULD BE LEGERAL BOOK AND HOUSE				
Septiment Sept	2200489	9:0/2001 10:43:07		ALEX ENERGY, INC.
SS04989 9/24/2010 10:05:20				
\$505698 6225001 12.02.25 MARCH BILAST AT 12.01 P.M. TODAY ALEXENERGY, INC. \$505792 10°32001 00°500 BLASTIRKS ANDOCKED AN ORNAMENT OFF THE WALL. BLAST HAVE BEEN CETTING STPCONGER THE LAST COUPLE OF WEEKS. \$505792 11′16.2002 10°000 BLASTIRKS ANDOCKED AN ORNAMENT OFF THE WALL. BLAST HAVE BEEN CETTING STPCONGER THE LAST COUPLE OF WEEKS. \$505792 11′16.2002 10°000 BLASTIRKS SHAKING HOUSE & WINDOWS. ELKRUN COAL COMPANY, INC. \$505999 12°82001 16.2000 CUST BAD IN COMMAINITY. COMPANY SEC. \$505999 12°82001 16.2000 CUST BAD IN COMMAINITY. COMPANY SEC. \$506408 10°23/2001 00°00-04 CUST BAD IN COMMAINITY. CUST BAD IN COMMAINITY. COMPANY SEC. \$506408 10°23/2001 00°00-04 CUST BAD IN COMMAINITY. CUST BE LEVEL THAT INACH DUSTS COULD BE LEGAL. COMPANY SEC. \$606409 10°23/2001 00°00-04 CUST BAD IN COMMAINITY. CUST BE LEGAL. COMPANY SEC. \$606409 10°23/2001 00°00-04 CUST BAD IN COMPANY CUST BE LEGAL. COMPANY SEC. CUST BE LEGAL. CUST BELLOW	ØE/IEAGO	0.004 00001 10.05 00		Property and personal recommendation
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UND1593 19-2002 14:15:00 Sow attached written complaint. This complaint is directly inhibited to a complaint received 12/17/10 complaint received 12/17/10 complaint received 12/17/10 complaint received 12/17/10 complaint received 12/17/10 complaint received 12/17/10 complaint received 12/17/10 complaint received 12/17/10 complaint received 12/17/10 complaint received 12/17/10 complaint received 12/17/10 complaint received 12/17/10 complaint received 12/17/10 complaint received 11/12/2001 19/17/10 complaint received 12/17/10 complaint received 11/12/2001 19/17/10 complaint received 12/17/17/17/17/17/17/17/17/17/17/17/17/17/				j
COMPANY, INC.	t and a meri	22.0000 72.25.00		
winder wed under Mr. Cree's frailer. 1/24/2002 16 10:00 Gas craming from his word. Hos talked to Anker. D001033 12/4/2002 16 10:00 Gas craming from his word. Hos talked to Anker. D001033 12/4/2001 14:45:00 Diminished quantity of water in her wed due to mining of Eastern ASSCCIATED COAL. D001033 11:2/2001 09:00 CoRP. D001034 11:2/2001 09:00 CoRP. D001035 11:2/2001 09:00 CORP. D001035 11:2/2001 09:00 CORP. D001035 11:2/2001 09:00 CORP. D001035 11:2/2001 09:00 CORP. D001035 11:2/2001 10:00 CORP. D001035 11:2/2001	DUH-363	EN/2002 14: 15:00		
UR01993 1/24/2002 16 10:00 Gas coming from his wolf. Host talked to Anker. Alakter WEST VRIGINIA MINING COMPANY, INC. UR01993 6-4/3001 14:45:00 Diminished quantity of water in his wolf due to mining of Eastern ASSOCIATED COAL COMPANY. RIC. UR01993 11:2/2001 09:00 Water loss from spings which supply dishing water as well as springs because the detailing larm pand and creek. UR021993 11:2/2001 09:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 10:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 10:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 10:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 12:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 12:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 12:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 12:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 12:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 12:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 12:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 12:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 12:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 12:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 10:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 10:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 10:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 10:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 10:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 10:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 10:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 10:00 For Signification of Company Federal REMANN CORP. UR021993 11:2/2002 1				EUNIPANY, INC.
COMPANY, N.C. LID01033 6-12001 14-45:00 Diminished quantity of water in her ved due to mining of Eastern ASSOCIATED COAL LID01033 11-22001 08 (9) CO Water loss from gening which pappy dishing water as well as springs recharging larm pend and creek. LID020193 11-12-2002 10 (9) 10 (9) CO LID020193 11-12-2002 10 (1801589	1/24/2002 16 10/00		AMPED WEST WOODIN MINES
US01030 64/3001 14/45 00 Dimitalohod quantitier of water in her weld due to mining of Earliern Araceldated Colic Company Federal Ré Milles 11/2/2001 08/01/00 Particle Colic Company Federal Ré Milles 11/2/2001 08/01/00 Particle Colic Company Federal Ré Milles 11/2/2001 08/01/00 Particle Colic Company Federal Ré Milles 11/2/2001 08/01/00 Particle Colic Particle P	- 44 ,4350	THE VILLE TO VALUE	Case taking restrict for 1 too takee to April 21.	
CORP.	U001053	8/4/2001 14:45:00	Diminiohed quantity of water in her well due to mining of Festern	EASTERN ASSOCIATED COAL
UP01993 11:2/2001 09:010 OF White loss from springs which supply drinking water as well as appries EASTERN ASSOCIATED COAL copp. 1/12/2002 10:00-10 10:00-1			Associated Cost Company's Federal #2 Mine.	
1/16/2002 10:10:10 I/16/2002 10:10	U001963	11-2/2001 09:09:00	Water loss from springs which supply drinking water as well as springs	
CRACKING, MAY BE SUBSIDENCE OR BLASTING, DOESN'T KNOW CORP. FOR SURE WHAT IS GOING ON, HAS SEVERAL SURVEYS DONE ON RESOENCE. 1/24/2002 12:0749 SUBSIDENCE DAMAGE AT HOUSE IN LINDYTOWN BASEMENT EASTERN ASSOCIATED COAL	and the second of the second		recharging farm bond and creek.	
FOR SURE WHAT IS GOING ON, HAS SEVERAL SURVEYS DONE ON RESDERICE. 1/24/2002 12:0049 SUBSIDENCE DAMAGE AT HOUSE IN LINDYTOWN BASEMENT EASTERN ASSOCIATED COAL	U002093	1/16/2002 10:00:10		
ON RESIDENCE. U002083 1/24/2002 12/0749 SUBSIDENCE DAMAGE AT HOUSE IN LINDYTOWN BASEMENT EASTERN ASSOCIATED COAL		1		CORP.
L002083 1/24/2002 12:00:49 SUBSIDENCE DAMAGE AT HOUSE IN LINDYTOWN BASEMENT EASTERN ASSOCIATED COAL				
		<u> </u>		
WALLS ARE CRACKED AND LEANING CORP.	UUU2983	1/24/2002 12:00:49		
	L		WALLS ARE CHACKED AND LEANING	CORP.

C005583	1/20/2002 11:21:21	SUBSIDENCE CRACK OR HOLE IN DRIVEWAY NEED TO BE CHECKED. ALSO BLASTING SHAKING TRAILER. "LIVES ACROSS FROM	EASTERN ASSOCIATED COAL CORP.
U002484	19/12/2001 15:00:00	Equipment on landowners property. Wondering about legal right and wanted to know what is going on.	ENERGY MARKETING COMPANY, INC.
LI002584	7/31/2001 08:46:00	CITIZEN FEELS THAT CHACK UNDER THEIR NOBILE HOUSE IS MINR FEELATED AND IS EMITTING BASES WHICH MAKE THEM SICK, SYMPTOMS: NAUSEA, WEAKNESS, LICHT HEADED, MUSICLE ACHES, DOO HAS SHOWED ALLEFRICK SYMPTOMS WHEN THEO TO FRONT PORCH, DOES NOT WHEN MOVED TO BACK.	ROCKSPRING DEVELOPMENT INC
U003383	7/25/2001 12:00:00	Longwall to appreaching their 349 acre term. Previous panel adjacent to McCardio properly allegedly caused less of sping. Permittee has replaced spining. Citizen wealth satisfament from permittee or DEP as to the cause of water loss. Also there is contro	MCELROY COAL COMPANY
U003383	8/8/2001 12:09:00	Not properly notified of mining under her property where she it was and also C. E. Newton property which she purchased. Also, claims no offer of compensation for subsidence damage to barn from company.	MCELROY COAL COMPANY
U003383	8/21/2001 14:00:00	Water loss to three springs and one cased well on properly purchased from C. E. Nevolin. Requests mining date information for lather's proporty (Georgie Koontz) and also inquested review of information concerning alreams. Upper Bowman Creek and Middle Bow	INSELPIOY COAL COMPANY
U003383	19/3/2001 13:30:60	Stated that provious repairs to suiface lands had left a couple of areas where cracking was still visable. One was above complete trader and one area is second field. Also, believes that water drinker system are inadequate because of freezing up sever	MCELROY COAL COMPANY
U003383	11/12/2001 09:09:00	Claims additional surface lands need repained from subsidence damage. These areas were not looked at under original 04-25/51 investigation on June of 2009. Supervisory review for Governor's office.	MCELROY COAL COMPANY
U009383	1/2/2002 08:00:00	Subsidence related water loss to residence. Also Impact to springs used for domestic and agricultural uses. Potential impact to farm pend and surface lands. Structrual damages to residence.	
U003363 U005663	1/24/2002 12:00:00 8/30/2001 10:15:08	Water loss replacement at barn is not adequate. RESIDENT IS NOW CONNECTED TO PUBLIC WATER FROM	MCELPOY COAL COMPANY RAWL SALES & PROCESSING CO
U005683	8/30/2001 11:00:57	CHATTAROY. RESIDENT IS SATISFIED WITH WATER. IND COMPLAINT	RAWI. SALES & PROCESSING CO
U005683	8/30/2001 11:25:10	NO COMPLAINT/ CALLED RESIDENT TO CLOSE COMPLAINT	RAWL SALES & PROCESSING CO
U005683	8/39/2001 11:30:34	NO COMPLAINT	RAWL SALES & PROCESSING CO
U005683	5/30/2001 11:40-49	NO COMPLAINT	RAWL SALES & PROCESSING CO
U005683	8/30/2001 11:48:36	NO COMPLAINT	RAWL SALES & PROCESSING CO
U005683	8/39/2091 13:07:31	NO COMPLAINT	PAWL SALES & PROCESSING CO
U005683	8/39/2091 13:15:16	No complaint	RAWL SALES & PROCESSING CO
U005683	8/39/2001 13:22:34	No complaint.	RAWL SALES & PROCESSING CO
U007093	8/14/2001 19:59:00	Received complaint via DEP Environmental Advocate's Office - Brent Wiles received original call. Gitzen is concerned about the proposed sind-use change from "pasture" to "light industry" at the Hagan's Shatt. He is requisiting as to the type of industry.	CONSOLIDATION COAL COMPANY
U007283	9/19/2001 14/9/100	Worsted about possible contamination of water well by the Okt Belildsham mine. Water contains iron and is very hard.	ENERGY MARKETING COMPANY, INC.
U007584	6/25/2001 11:27:00	Dust and mud on county read.	NEWHALL POCAHONTAS ENERGY, LLC
U007984	9/26/2001 13:00:00	Coal cumpany constructing haukead along county road at intersection of RT 16 and dust from Rt 16.	NEWHALL POCAHONTAS ENERGY, LLC
U007584	10/11/2001 15:00:00	Dust from leadout site.	NEWHALL POCAHONTAS ENERGY, LLC
U007584	10/11/2001 15:01:01	Dust from scanous wite.	NEWHALL POCAHONTAS ENERGY, LLC
U007584	1/4/2002 13:25:00	Dust from county road.	NEWHALL POCAHONTAS ENERGY, LLC

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	pump would shut all or slow down to a trickle. Sho thinks it is due to the primping of Eastern Energy which is located below her residence, little Describe sisted that they had by the pay		
EVELENN ENENGA COND	month is a selected she attends only pump a to gallon of water and the	00.66;81.1006/#577	£8900H
DINERSIDE ENERGA INC	Caixen called to complain of water loss problems occurring for the tast	1/15/2002 11/18/00	M00287
GHEEN VALLEY COAL COMPANY	And Actah Cont. Pather Craek tage a while dayout on the stream better or	12/8/2001 11:30:00	936606
PERFORMANCE COAL COMPANY	Deutomarkes Coal bruillo coal funding hazy Critick causard maddy force contracted but advisced that to way has braidedown force coal bruillo coal that to way not these braidedown	12/20/2001 09:15:00	1904292
PERFORMANCE COAL COMPANY		12/20/2001 07:30:00	304595
CANNELTON INDIJETHES INC	Pacahze a manaphini doo no suppy This Water about the diminished of the politi they have on suppy This Water at 2-15 homes in the word but hum an absorbond 5-8feck militing	91-06-91-2008/1/1	304581
CANNELTON INDUSTRIES INC	Loss of water in community on 1/2/02. (Sume system as Mr. David	1/1/2002 13/36/21	304581
CANNELTON INDUSTRIES INC	Beat the mins could blow out. Subur smell from past AAA, project and diesol smell from Hughes Creek.	10:51:21 1003:92//	162700
PROVEER FUEL CORPORATION	could be coming from the beachilled portal wase and she was concerned	90/09/LF L008/01/Z	6971000
ECK RUN COAL COMPANY, INC.	Subsidence crack on new property and has lost water well.	50:00:01:10:00:11.7	1901994
ELK FILM COAL COMPANY, INC.	Substitutes crack critical property and has lost water well.	10.88-01.1008/11/1	#6910G
ETK BON COVE COMBANY, INC.	Zapsybuce clack onlybest broboth and has lost water well.	00.09.01 1005/11/1	N281 0E
COVETAL COAL-WEST VIRGINIA.	We then to well. What does come out its red. Have never bed any	11/16/2001 10:02:00	1692011
COASTAL COAL WEST VIPGINIA.	nostited of mining. Water well is dry. Completed was reported to Coasies Coal-WV on 11/14/2001. Water well is 14' deep, store inod.	09-00:01 1008/21/11	108891
MANAGEMENT C	this gazago in this floor has cracked. He believes that he will expensed other demages to his home. He bylieves that he was not properly		
CONSOLIDATION COAL	der tram ples to another receiption. Lives on Colden Phylos Pond and chame subskings related downogn to	1/55/5005 11:36:00	105201
COMBVAN	tush of and this of the matter on some of pile. Using trucks to have		
COMSOLIDATION COAL	needs flued. Some recognin about surface land moreoment also. Sent E-mail to office 19/19/2001, was reviewed 15/26/2001 at office.	00-60-60 1008/52/21	169201
CONBOLIDATION COAL	in 1997. Training in 1997. Trailer out of lovel, twisted, underly chindred	00:00:01 100S/8/F1	105591
COMPANY	Delivered by M. Carlco to me, Major compliain of disturbance within 300 of Kudlek and Greg Johnson homes. Other questions and issued		
COMPANY COMPOLIDATION COAL		00:00:10 1005/0:01	105201
CONSOLIDATION COAL	buffer demogramiful occur should it he Has severe slip beside home and runs downslope to Boggs Flan.	1/16/2001 12:06:00	105201
ON ANYAMICO TYPO P S	Az. Vence wonted to go on noond as having noticed the occurrence of cracks in concrets apply and in the front block wall of his house and in the concrete apply and in the front block wall of his power and in the event that	00:00:01 10:08/91/41	105095
COASTAL COAL WEST VIRGINIA,	No water, well caved in, Suspect White Tail Maine,	954/2001 06:30:00	101405
TTC COVALNE CONT-MEST VINGINIA		1/8-2002 16-20-00	967,001
CO NVUHOMBONE DEAELOPMENT	HIT SIDE SEISHED - 400 FT, UP ON HILL AND BLOCKED CREEK	\$1:51:60 1002/05/1	669190
COVATAL COAL WEST VIRGINIA.	Picaring has caused durings to house and water well. Blast occurred during the week of Ostober 11 - 27, 2001 in the monitor.	00:21:01:1005/61	569190
FFC COVELVE COVE MEET VINGINIA.	astaw own olf in the water beauting cause griffing and other properties.	00:00:01:100S:TS:8	669190
COASTAL COAL-WEST VIRGINIA. LLC		8/27/2001 14:00:00	009150
LLC COASTAL COAL WEST VIRGINIA.	east bins gring beliateri aff. New of gring aven ten bito sonwo auciver?	00-00-91 100S/61/8	00/9190
rrc			609180

...

009190/	00:60:51 10:02:5:0	Coastal brought them water times times. Conf. get much water out of it.	COASTAL COAL WEST VIRGINIA
		How ni beteavit 600,72 eval-1, leco wold-i neet 02 at roldw geeb lest	
(499180)	8/2/2001 14:50:08	Aiready investigation by CEP, DMR. Blassing caused well less. Keith Chreptness drilled well. He said it had a slow technique 175 gallons. 550	TTC COVELVE COVE-MEST AIMORNIA
		Trouble started from years age. Two people use well. Fast shewer only.	
		eeu beiling zen walf. Hater planty et water. Now has finitied use.	วาา
60919Of	00:09-V1 1006:6-B	System put in. Baseing and underground mining cussed loss of well. Drilled in 1975.	COASTAL COAL-WEST VIRGINIA
		deep well. Both have always had limited use. Wants public water	rrc
0001900	09-36-51 1005-6/8	Wants public water system put in it in 1979, in 1979, disjuic to to tool of the tool of th	LLC COASTAL COAL-WEST VIRGINIA
0001966	89:2001 14:31:00	Has a 6 ft, cleap spring. Bug in 1903. Always had very limited use.	COVETAL COAL-WEST VIRGINIA
0001500	00 SEPL 1008 6/0	in the medicy with public wither system put in	COASTAL COAL-WEST VIRGINIA
0091900	8/9/3001 14:50:00	Has to hauf water. Wants public water eyalem put in.	COASTAL COAL WEST VIRGINIA
		- Federal - Fede	211
0091900	66-21-51 1005/6/8	choringe. Wante public water system constitucted.	COASTAL COAL WEST VIRGINIA
008130.	8/3/2001 14:10:30	Hand dug well. 25 foot deep. Dug in 1991. Always had a water	COASTAL COAL WEST VIRGINIA
0081900	09:30:41 100530/8	Nees water. Wante public withor system put in steel.	COASTAL COAL-WEST VIRGINIA
	1	has to keave off 3 or 4 days to have water. Lost to underground mining and blooking. Has had problems with with tot to years.	on
0091907	8/9/8001 14:03:00	work . Here boog even at beet geet fool 661. flew bio issey 0S a said.	COVETAL COAL-WEST VIRGINIA
0691900	8/9/2001 14:02:00	Cristical well in 1983. Take feel deeps. Went dry in: 1987. Creaned out 2 years sgo. Went 2 teef deeper their quit making water.	CONSTAL COAL WEST VIRGINIA.
		installed on Hickory Flabs area.	OTT
0091500	G0-00-11 1002/5/8	Well in no gued. Has to hauf water. Watris a public water system	COVETAL COAL-WEST VIRGINIA
0991900	87.8001 11-90.09	Well is div.	COASTAL COAL-WEST VIRGINIA
1016200	00/2011 1003/20	Water came from an QId Abandoned Miles and thought are more serving.	SHVME COVE COMBVAN
0061400	11/15/2001 15:15:00	Sust from caulty road on home	BLACK WOLF MINING COMPANY
		onto being of one lene road. Mr. Groves has trouble breathing.	
	1	1999 bridge and Lick Branch. Clouds of dust orested when trucks pull off	วาา
(NSB800)	ZS-S1-11 (002/5/9)	At Grevas had to tollow two of the coal invest ibis morning between the	TERRY FACILE COAL COMPANY
		and hea been opened for 3-4 months. Located on Neety Backus property. (Pussably in he name of Burgess at this tim.	
		stanid go inside. Has bad top in mines. Cost Co. capened with dozera	
0055300	7/30/5001 15 19:00	The old drift mouth to mines is open. (Chicapee Coal Co, (nc.) Kids	CHROSEE COST COMBANY, INC
699050	1955-8005 12:15:31	रटकाराहरू होते १० मध्य मा चारकार कार्या कुलीटीचार सर्वे अवसी अंतर	U. S. STEEL MINING COMPANY,
		chemical causing her to be al. Complaintant has requested MSOS at any known chamical additives to the water.	· and
osoveo	1/14/5005 06/00/00	since anistaco electored genetaw-eb and lier T most golgueitzelo rate.W.	U. B. STEEL MINING COMPANY.
		crossing bidish Crook. Gas line crosses indish Creek between the Don	rrc
C99030X	90-69-90 1009/21/01	non-estatent in some areas. Stroom bed fourtred in Indian Creek at the location of a gas line.	LLC U. S. STEEL MINING COMPANY,
059483	10,10,20111180:00	example of the part of the supplemental part of the supplement of the part of the supplemental p	U. S. STEEL MINING COMPANY.
689020	60:51:60 1008:91/8	He feels methane gas is butbling from the atream in front of his residence but does not went anyone from DEP to check it.	LL S. STEEL MINING COMPANY.
			rrc
689050	03:16:90 1005.07.8	mose is but hevent yet. U.S. Steel Mine discharges, damaging squatic life in Indeen Creek.	U. 3. STEEL MINING COMPANY,
SE8110	10/26/2001 10:00:00	Thicks power fine going to mine is a fire hazard. Green Valley plans to	GREEN VALLEY COAL COMPANY
2689100	10/8/2001 09:49:50	Problem with beaver bond and a power line near Green Valley Coal	GREEN VALLEY COAL COMPANY
		they recently acquired. Specifically - is pipe in a pipe in a field on property	
eaggeon	1/26/2002 14:00:00	combiguir. Chirae quee dot treve e combiguir prit le rédineating aux	JAGO NOITAGUDENGO YUAMMOO
609693	CALIFFE CHINGS !	Cilizen completing of damage to mendow by subsidence	
		Patented to impector Terry Washtum who contacted campisinant 08/02/101. Follow-up letter received 00/14/01 dated 00/04/01 (alteched).	COMPANY
£68200	BC3-2601 10-06-00	10/26/80 to gained Tent Supervisor 18 to 26/20/10 no being	COMBOLIDATION COAL

U400567	1/11/2002 17:59:00	The chizen stated that Bradshow Creek was black and it had a strange arekt.	EASTERN ENERGY CORP
U400987	10/1/2001 09:00:00	Mr. Gross stated that his water had turned mustdy or black on \$22001 and 101.001. He was wanting to know if mining activities from Bayatar Coal Cois deep mine or exploration work could be causing problems with his wat.	BAYSTARI COAL COMPANY, INC
U400591	11/27/2001 17:00:00		CARETTA MINING INC
U400895	19/25/2001 10:55:00	Mine crack behind house.	HERNDON PROCESSING COMPANY
U400205	1/4/2002 15:30:00	Complaintant states that he has outilitid a decrease in his water since October of 2001.	HERINDON PROCESSING COMPANY
U401194	7/91/2001 15:10:00	upstream.	EASTERN ASSOCIATED COAL CORP.
U401196	10/10/2091 14:09:00	Well has gone dry and believes Excitd Cline Rock N Roll Cost has early ther well. Well was disted 80 lest deep in 1998 in and had planty of water. Burnt up one porrip and replaced it in July 2001. She began having trouble in November of 2000.	MYRYLE D CORP
U401196	12/27/2001 12:30:00		MYRTLE D CORP
U402195	12/21/2091 11:30:00	Citizen complained of feeling vibrations shaking his recidence at various lithous recently,	RIVERSIDE ENERGY INC
U402199	7/18/2001 13:00:00	Abr. Slover alleges that his house was damaged from blasting that occurred during the construction of Guyandotta Pocahontes inc., Permit is U-4021-99 does in his site.	CREEKSIDE ENERGY DEVELOPMENT COMPANY
U402169	8/27/2001 05:00:00	Complaintant states that burning wood and debrio earlier in the morning. The sempany was required by MSHA to remove wood and debris from	CREEKSIDE ENERGY DEVELOPMENT COMPANY
		stream channel to properly dispose of.	
U402199	9.5/2001 16:16:00	Complaintant states that burning has been going on all week-end at Hotchidas. Smoke is thick. Huge fire.	CREEKSIDE ENERGY DEVELOPMENT COMPANY
U492199	11/13/2001 09:00:00	Complaintant states that a local resident in the community is taking rocks, material, etc. from a nearby stream that has been dredged and berried up along the banks due to recent floorling.	CREEKSIDE ENERGY DEVELOPMENT COMPANY
U402199	11/20/2001 14 20:00	The cost mine in Helchitiss is covering the whole town with clust.	CREEKSIDE ENERGY DEVELOPMENT COMPANY
U492199	12/18/2001 12:30:00	Complaintant states that dust becomes mud when it rains in Hotchkiss.	CREEKSIDE ENERGY DEVELOPMENT COMPANY
CH02500	8/2/2001 13:45:00	Resd dusty - need to run water treck	BLACK WOLF MINING COMPANY
U402539	8/19/2001 15:00:00	Ten Day Notice from OSt4. (1) The company has failed to affectively follow the approved fugility dist control plan that protects off site areas. (2) The company failed to protect the hydrologic balance to offsite areas from exclined about the streams below.	BLACK WOLF MINING COMPANY
U402589	8/15/2001 13:00:00	County road dust at #7 and #6 intersection of Gaty.	BLACK WOLF MINING COMPANY
U402589	9:26:2061 11:10:00	County road very dusty.	BLACK WOLF MINING COMPANY
U402589	10/10/2001 14:01:00	JRoad in front of home is dusty and mud being tracked from Black Wolf Milvo.	BLACK WOLF MINING COMPANY
U402569	10/28/2001 10:25:00	(f) Dust from coal trucks very bad, sped truck wash #9 area. (2) Top mine has must holes where banded road moets Rt 13. Need asphalt or congrete ever holes. (3) curtain at Top Gan steckpile. Will not control coal data with wind blowbig.	BLACK WOLF MINING COMPANY
U402509	12/14/2001 10:00:00		BLACK WOLF MINING COMPANY
U402589	12/14/2001 14:40:00	Dust from coal trucks on county road.	BLACK WOLF MINING COMPANY
U402589	12/17/2001 11:00:00	Dirt on county road.	BLACK WOLF MINING COMPANY
U402559	1/14/2002 10:55:00	Mud and dirt on county road from coal trucks.	BLACK WOLF MINING COMPANY
U402589	1/15/2002 11:09:00	Dust from Black Wolf (Top gun) Mine. Curtain at stockpite to small and no water sprays on.	BLACK WOLF MINING COMPANY
U402589	2/4/2002 10:00:00	Need water truck to wash county road and trucks sot washing whosis at Too Gun Mins.	BLACK WOLF MINING COMPANY
U500193	7/20/2001 19:52:01	Follow up to original complaint of discolared water coming from Little	MARFORK COAL COMPANY, INC
U590894	8/30/2001 15/70/24	Maish Fork. Initially investigated for permit a U-5003-93. HIGUEE IS GETTING DUSTY FROM COAL TRUCK TRAFFIC. SOME TRUCKS NOT TARPING. WOULD LIKE TO HAVE HOME PRESSURE WASHED.	HOBET MINING INC

3501199	12/19/2001 05:10:23	TRUCKS ARE TRACKING MUD ONTO THE HIGHWAY, TRUCKS ARE OVERLOADED AND DO NOT HAVE TARPS.	WIN INC
J501189	12/19/2001 09:11:05	TRUCKS ARE TRACKING MUD ONTO THE HIGHWAY	MIN INC
/501298		DUST FROM COAL TRUCK TRAFFIC COATING VEHICLES,	INDEPENDENCE GOAL
			COMPANY, INC.
J591286	10/29/2021 10:00:24	WILLIAMS MTN ROAD, WY STATE RT 5 CRACKED BY LONGWALL	CORP.
J501388	10/29/2001 15:00:04	WILLIAMS NT. ROAD IS CRACKED BY JUSTICE MINE SUBSIDENCE. VERY CONCERNED ABOUT SAFETY & USE OF IROAD, ALSO CONCERNED ABOUTH HIS MINERAL RIGHTS.	EASTERN ASSOCIATED COAL CORP.
U501386	11/5/2001 08:38:25	WY STATE HT'S HAS SETTLED AGAIN AND CRACKS HAVE RE- OPENED MAKING ROAD HAZARDOUS TO PUBLIC MR. STEWART VERY CONDERNED ABOUT SAFETY OF RESIDENTS & CHILDREN. MR STEWART REQUESTED COPIES OF PERMIT & OTHER RELATED COLMINENTS.	EASTERN ASSOCIATED COAL CORP.
U501391	8/1/2001 14:35:24	Well is nunk. Mining by Mingo Logan Coal Company	MINGO LOGAN COAL COMPANY
U501391	9/26/2001 16:30:28	WELL IS DRY, COULD SOMEONE CHECK IT FOR HER.	MINOO LOGAN COAL COMPANY
U501391	12/10/2001 12:10:53	THE WELL HAS GONE COMPLETELY DRY, THERE IS JUST MUD IN IT NOW, HAS BEEN GOING DRY FOR ABOUT TWO MONTHS NOW, ALSO, THERE IS A MINE BREAK BEHIND THE HOUSE.	MINGO LOGAN COAL COMPANY
U501388	9/12/2001 08:99:05	COMPLANANT ALLÉGES THAT HE IS PART OWNER OF PEARL THOMBERON WATER WELL. WELL MAS SUMA AND MS. THOMBERON COMPENSATED FOR LOSS. COMPLANANT ALLEGES HE IS ALSO OWER COMPENSATION FOR LOSS THIS WAS DISCUSSED IN DETAIL ON PHONE WITH MR. STEWART ON 8-16- 91, If W.	INDEPENDENCE COAL COMPANY, INC.
U501398	12/14/2001 11:35:46	ANONYMOUS COMPLAINT FILED AS MISHA AT UNEEDA OF TRACKING AT ROBINSON CREEK, PHONED IN BY MISHA SUPERVISOR TERRY PRICE.	INDEPENDENCE COAL COMPANY, INC.
U501398	1/29/2002 11:00:50	SUBSIDENCE CRACKS ON RIDGE BETWEEN RUFFY'S BR. AND DOLAN'S FORK OF WHITE'S BR.	INDEPENDENCE COAL
U501593	10/9/2001 08:10:25	WHITE SUBSTANCE IN CREEK AT STOLLINGS	RUM CREEK COAL SALES INC
U801994	6/11/2001 05/90:26	IGITIZEN NITHALLY EXPERIENCED PROBLEM WITH WATER QUALITY IN FEE, OF THIS YEAR ACCORDING TO MRS. COLEOROYE. DELBARTON MINING PROVIDED WATER FILTER SYSTEM FOR THE RESIDENCE. ON SAT. 69-01. WELL WENT COMPALTELY DRY. CITIZEN CONTACTED DELBARTON AND COMPANY.	DELBARTON MINING COMPANY
U501998	6/12/2001 10:00:57	INOT RECEIVING CRIMERING WATER FROM DELEASTON SINCE TREATMENT TANKS RISTALLD NOW RECEIVING CRIMERING WATER DELBATTON PROVIDED WELL TREATMENT, HAS CRACKING TO FOUNDATION OF PUMP HOUSE AND FRONT OF RESIDENCE, CITIZEN HAS SEVERAL CHESTIOS ABOUT OPERATIONS	DELBARTON MINING COMPANY
U501996	6/14/2001 11:59:54	EAST KY WATER CO. PUMPED MUDDY WATER OUT OF CREEK INTO HER POOL, ALSO YARD HAS NOT BEEN REPAIRED	DELBARTON MINING COMPANY
U501996	8/22/2001 21:45:00	WATER TANKS ARE EMPTY, GALLED EAST KY WATER CO. 2 TIMES TODAY TO BRING WATER, NO WATER DELIVERED.	DELBARTON MINING COMPANY
US01986	6/26/2001 10:50:08	IWATER IN WELL IS MUDDY LIVES LEFT HAND FORK OF DUICAN FORK CHIZEN HAS HAD SAMPLES TAKEN IN THE PAST, HAS NAMES TAKEN IN THE PAST, HAS VANCE STATED HE WON'T BELIEVE WHAT WE TELL HIM, BUT WANTS SAMPLE ON RECORD FOR PROPERTY OF THE SAMPLE ON RECORD FOR LAND WITH SAMPLE ON THE SAMPLE ON THE SAMPLE OF THE SAMPLE	**************************************
U501990	6:26/2001 16:50:44	WEIL WATER WAS BUILDOY AND NOW HAS WENT DIV ROLAND VANCE SR. MADE THE NITIAL COMPLAIN FOR ROLAND VANCE IR. FOLLOW UP 12-18-01 BY JOHN FLESHER. WELL WATER WAS IMPROVAND NOW HAS WENT DRY. ROLAND VANCE SR. MADE THE NITIAL COMPLAINT FOR ROLAND VANCE SR. MADE THE NITIAL COMPLAINT FOR ROLAND VANCE SR.	DELBARTON MINING COMPANY

U591996	626/2001 12:45:19	WATER GOT MADDY ABOUT A WEEKS AGO, THEN CLEARED UP. WANTS WATER TESTED CHEEK WAS MUDDLY VESTERDAY RIGHT FORK OF OOTEN FORK. WELL 28 FEET DEEP, GOOD WATER AS GOOD AS BOTTLED WATER, HAND DUS WELL CRIECK AFFECTED AT LEAST A YEAR. WELL AT LEAST 65 YEARS OLD.	DELBARTON MINING COMPANY
U501996	6/27/2001 11:14:26		DELBARTON MINING COMPANY
U501996	6/27/2001 11:30:26	COMPANY CUT A HOAD ON THE HILL, RIGHT FORK OF COTEN FORK, PURE MUD THE LAST 2 TIMES IT RAINED.	DELBARTON MINING COMPANY
U501998	6/27/2001 11/48/58	WELL IS ALMOST DRY - VERY LITTLE WATER, WARTS DEP TO MAKE DETERMINATION. DID MINING MIRACH FER WELLY SO, DEMPSEY CALLED AGAIN 0-29-01 - WANTS AN ANSWER, HAS NICK SCHAER DECUDED? 11-27-01 WELL WATER QUALITY (RED COLOR AND BLACK PARTICLES) AND QUANTITY.	DELBARTON MINING COMPANY
U501696	5/27/2001 14:00:49	WELL GOING DRY THE LAST 3 OR 4 WEEKS, WATER IS RED AND SMELLS BAD. WELL IS 80 - 90 FEET DEEP, DRILLED DEC. 1990. HAS WATER TREATMENT SYSTEM. LOWER SHEPPARTOWN ROAD.	DELBARTON MINING COMPANY
U501998	7/2/2001 12:20:05	BABY BREAKING OUT, WANTS WATER TESTED, DRIVERS NOT ADDING ANYTHING IN TANKS, NEW DRIVERS.	DELBARTON MINING COMPANY
U501996	7/2/2001 13:30:55	2 TANKS IN PONNIE BLANKENSHIP'S YARD SERVE 4 HOMES, TANKS EMPTY BINCE MOON, CALLED MIKE SMITH AT 1315 HRS. NO WATER DELIVERED.	DELBARTON MINING COMPANY
U501996	7/3/2001 17:10:67	ALWAYS HAD GOOD WATER LAST COUPLE OF WEEKS WATER HAS SLIGHT DISCOLORATION, WELL 96 FT. DEEP, ABOUT 15 YRS. OLD. ACROSS FOUR-LANE (119) FROM TIC TOC TIRE CO., BACK ON HILL 4 HOUSES IN	DELBARTON MINING COMPANY
U501986 U501986	7/19/2001 08:00:00 7/19/2001 08:40:52	IM ELIKINS WANTED TO HAVE HIS WELL WATER CHECKED. MR. HINGLE REPORTED HAVING WATER PROBLEMS, BUT NOT 'DRY, HAPOLD WARD SPOKE WITH KRISSY ON 7-12 & 7-13 'COMPLANT IS CHANGE IN QUALITY NOT QUANTITY. GORZOPI WANTE WATER RE-TESTED. FIRM WAS 24 NOW 20. FOLLOW UP 12-6-01 BY JOHN FLESHER - QUALITY OF WEL.	DELBARTON MINING COMPANY DELBARTON MINING COMPANY
US01998	7/19/2001 15:19:19	WANTS WATER TESTED, TEST BY EAST KY WATER FOUND BACTERIA. 2 HOUSES ACROSS CREEK FROM UPPER SHEPPARDTOWN RD.	DELBARTON MINING COMPANY
U501996	7/16/2001 09:04:32	WATER TANK ALMOST EMPTY - HAS NOT BEEN FILLED SINCE WED. 7-11-01. SAME TANK AS ANDREW AND JUDY TAYLOR.	DELBARTON MINING COMPANY
U501895	7/16/2001 09:23:51	NO WATER HASN'T BEEN FILLED SINCE WED, 7-11-01 NO WATER SINCE 0600 THIS MORNING	DELBARTON MINING COMPANY
U501968	7/17/2001 11:09:41	PESRIENT STATED SPRING (DUS OUT) HAS BEEN LOSING HECHARGE: WANTS WATER TESTED, STATED SPRING HAS BEEN PROVIDING WATER SINCE HE WAS A CHILD. FOLLOW UP 12 20-01 BY JOHN FLESHER - SPRING HAS BEEN LOSING RECHARGE: WANTS WATER TESTED.	DELBARTON MINING COMPANY
U501998	7/16/2001 11:49:56	FIRSDEANT SAYS WATER HAS A BAO DOOR WHILE ALSO STAINING TORICFTARTHUS BUFFACES ORANGE. THERE ARE 2 TRALERS ON THIS WELL (JAIMES & MITZI GILLMAN): SECOND PLACE ON RIGHT ABOVE BETTY GILLMAN BEFORE KARA LANE TURNOFF. FOLLOW UP 12:28-01 BY JOHN FIESHER. W	DELBARTON MINING GOMPANY
U501996	7/20/2001 11:19:31	WANTS WATER CHECKED, BLACK PARTICLES & BAD ODOR IN WELL WATER. FOLLOW UP 12-19-01 BY JOHN FLESHER - WELL WATER HAS A BAD ODOR AND BLACK PARTICLES.	DELBARTON MINING COMPANY
U501996	7/23/2001 13:43:34	RESIDENT SAYS WATER HAS GASSY TASTE. GARY HATFIELD	DELBARTON MINING COMPANY
U501996	7/24/2001 10:25:35	TOLD HER TO CALL DEP. WATER HAD SULFUR SMELL - NOW HAS BLACK PARTICLES - NOT ISTAYING AT HOME. WATER NOT USED MICH. WELL DRILLER ISAND TO AND BLEACH TO KALL E COLL. WELL DRILLER DO FF IDEEP IN 1999. DAY STAR RD. BRICK HOUSE - 4TH UP FROM RT 195 EXXII.	DELBARTON MINING COMPANY
U501895	7/25/2001 09:24:05	99 CAIL. WATER GOT REAL RED LAST NIGHT - NO FLITER, WELL DRILLED 300 FT, DEEP IN 1899 - NO ANSWER 7-25-01, 0910. KARA LANE BESDE DANNY & LENNIFER DEBPSEY. FOLLOW UP - 12-19-01 BY JOHN FLESHER - WELL WATER TURNED RED, DRILLED WELL IN 1989 200 FEET DEEP	DELBARTON MINING COMPANY

U601996	7/26/2001 10:09:21	WATER HAS AN ODOR SINCE APRIL OR MAY, HEALTH DEPT SAYS NOT SUITABLE FOR DRINNING. EARLY MORNING BEST TIME TO CONTACT RESIDENT. LEFT HAND FORK OF UNICAN FORK- CLAY SIDING- GREEN SHUTTERS- BESIDE BILL	DELBARTON MINING COMPANY
		DEMPSEY: 11-26-01 WELL WATER QUALITY (ODOR AND PARTIC	
U501996	7/26/2001 11:00:10	RESIDENT SAYS WATER HAS VERY BAD ODOR; MOTHER SAID	DELBARTON MINING COMPANY
		CHILDREN GET SICK TO THEIR STOMACH WHEN DRINKING WATER.	
		FOLLOW UP 12-19-2091 BY JOHN FLESHER - WELL WATER HAS A BAD ODOR; GOT SICK WHEN DRANK IT.	
U601999	7/26/2001 11:33:37	WELL +/- 18 YRS, OLD, WHEN DRILLED WELL PRODUCED 18-20	DELBARTON MINING COMPANY
		GPM; DALLAS RUNYON SAMPLED WELL 34 YRS. AGO. CITIZEN	
		NOTED ONLY MINOR PROBLEM BUT WANTED AGENCY TO KNOW ASAP. 1/2 MILE NORTH OF BELO ACROSS FROM DAY STARR	
		BOAD. WATER NOT RECHARGING THE SAME - SEE	
U501996	7/90/2001 11:38:09		DELBARTON MINING COMPANY
		RECHARGING THE SAME WHEN USING A LOT OF WATER.	
U601996	7/31/2001 16:05:23	ACROSS FROM DAY STAR ROAD ON HILL BOUGHT HOUSE IN RIFFE BR MAY NEED PRE-SUBSIDENCE	DELBARTON MINING COMPANY
000 1000	775312007 10.03.23	BURVEY - PRIOR OWNER SLOAN, CHRISTOPHER - WANTS	DEEDMING COMPANY
		SURVEY RE-DONE DUE TO REMODELING	
U501996	7/91/2001 16:45:48	WELL GOING BAD, LOW PRESSURE AT TWO RENTAL TRAILERS ABOVE BETTY GILMAN, DRILLED 15-20- YEARS AGO.	DELBARTON MINING COMPANY
		FOLLOW UP - 12-19-01 BY JOHN FLESHER - WELL WATER	Ì
	1	QUANTITY AND QUALITY (BLACK) AFFECTED BY MINING.	
U501986	8/3/2001 13:50:57	RESIDENT IS CONCERNED ABOUT ODOR IN WATER. ALSO HAS	DELBARTON MINING COMPANY
		DISCOLORATION (ORANGE) TO WATER. REQUESTED WATER	
		SAMPLE: FOLLOW UP - 12-28-01 BY JOHN FLESHER - WELL WATER HAS AN	
	1	ODOR AND ORANGE COLOR.	
U501998	8/13/2001 09:15:50		DELBARTON MINING COMPANY
U501996	8/13/2001 11:16:17	BEGINNING. WELL WATER IS BAD - CAN'T DRINK IT - WANT WATER TESTED.	DELBARTON MINING COMPANY
0001220	D 13/2007 11.10.17	USE SAME WELL AS KENNETH WHITED.	DEEDANTON MINING COMPANY
		11/07/01 WELL WATER IS BAD AND HAS GOTTEN WORSE.	
U501996	8/13/2001 12:40:17	CAN'T DRINK THEIR WELL WATER - SAME WELL USED BY BILLY & BETTY RUNYON - WELL DRILLED BY ISLAND CREEK COAL	DELBARTON MINING COMPANY
		COMPANY FOR BATHHOUSE FOR OLD 27 MINE.	**************************************
		11/07/01 MRS. BETTY RUNYON WHO SHARES THE WELL WITH	
		IMR. WHITED CALLED ON 11-5-01 SAYING THE WATER HAD	2
U501996	8/16/2001 10:48:31	WATER IS DISAPPEARING FROM HIS WATER WELL. TAKES 10	DELBARTON MINING COMPANY
		MINUTES TO RECHARGE, IS 27 HOLLOW POOL LEVEL BEING DE-	
		WATER GETTING LOW: NOT ENOUGH TO BACKWASH FILTERS	DELBARTON MINING COMPANY
U501995 U501896	8/20/2001 98:57:45 8/22/2001 13:55:11	WATER HAS BAD SULPHUR SMELL - DRILLED 8 OR 9 YEARS AGO	
	WALLEST TOTAL TO	- PROBLEM IN LAST 1 OR 2 MONTHS. LIVES IN RIFFE BR. ABOVE	
		CHURCH ON LEFT.	DELBARTON MINING COMPANY
U501926	8/26/2001 13:15:06	WATER STOPPED PUMPING IN HIS WELL - WANTS TO KNOW HOW TO GET DELBARTON MINING TO PROVIDE WATER. LIVES	DELBAHTON MINING COMPANY
		APPROX. 1 TO 1 1/2 MILES FROM RT. 119 ON RT. 65 TOWARD	
		DELBARTON.	
U501986	9/5/2001 14:06:34	BLACK PARTICLES IN THE WATER IN BACK OF COMMODE; AUTOMATIC WASHER TEARS UP FROM BLACK WATER; GARY	DELBARTON MINING COMPANY
		HATFIELD TOLD HER TO CALL DEP. PAULINE ETTERS OWNS	
		WELL, 2 TRAILERS ON ONE WELL. RT 65 AT CANEY CHURCH OF	
		CHRIST, 5TH DRIVEWAY TOWARD DELBARTON, 3 TRAILERS	
U501995	9/5/2001 16:00:55	RESIDENT WANTS WATER CHECKED. LOWER SHEPPARIDTOWN	DELBARTON MINING COMPANY
U601995	9/10/2001 19:09:51	EXIT (KENNETH HALL, FATHER) SOMETHING SHOOK SEVERAL HOMES IN OOTEN FORK 7:59 P.M.	DELBARTON MINING COMPANY
WW HAND	S KEROLI ISSESSI	ON 9-8-01. SHOOK PICTURES OFF THE WALL AND CAUSED	Section 11 to a section of court and
		CRACKS IN THE WALL. MAY BE THE RUBY MINE HAD A ROOF)
		FALL: 10/20/21 CRACKS IN WALL & CONCRETE PORCH.:	
	1	10/20/21 CRACKS IN WALL & CONCRETE PORCH 11/97/91 MRS. RATUFF MENTIONED SOME OF HER P	
U501996	9/11/2001 06:39:03	MAY BE A BLAST OR ROOF FALL SHOOK CEILING FANS AND	DELBARTON MINING COMPANY
	4	COMPUTER APPROX. 8:00 P.M. 9-8-01.	!

US01999 P14/2001 14:0149 P14/2001 14:0149 P14/2001 14:0204 P14/2001 15:0209 P14/2001 15:020				
US01996 S714:201 14:3204	U501995	974/2001 14/09/45	INFREQUENTLY COMES HOME TO WY, BAD SMELL: CAN'T COOK WITH THIS WATER, UPPER END OF KARA LANE; OWNS SEVERAL ACRES COULD SELL LOTS BUT NOW GROUNDWATER IS	DELBARTON MINING COMPANY
US01996 919.2001 15.2009 MR. GOTEN HAS CERIND TILES COMING LOISE AND SOME HAVE DELBARTON MINING COMPANY FALLEN IN THE BOXON OF THE HOUSE AND HAD SOME WATER DELBARTON MINING COMPANY AND A BLAST ON 9.15-01. US01998 8-21.2001 10.1303 GUARITTY OF WELL WATER IS DECREASING LEACH BED STOPS DELBARTON MINING COMPANY ALTONOMY OF WATER ON 10 HOUSE ON	U501998	8/14/2001 14:30:46	HAS HEARD THAT COMPANY IS PUMPING OUT THE 27 MINE	DELBARTON MINING COMPANY
US01996 913-2001 11-5054 Widen has changed has an only film. Owner histhed is widd consertings. DELBARTON MINING COMPANY 28 mouth of discuss down 10 mouth of discussions and 10 mouth of the property of the	U501996	9/18/2001 15:20:03	MR. OOTEN HAS CEILING TILES COMING LOOSE AND SOME HAVE FALLEN IN THE BACK OF THE HOUSE AND HAD SOME WATER LINE DAMAGE HE REPAIRED. SUSPECTED CAUSE, SUBSIDENCE	DELBARTON MINING COMPANY
US01996 0-21/2001 10:1930 OLDARTHY OF WELL WATER IS DÉCRÉASING. LÉACH BÉD STOPS DELBARTON MINING COMPANY UP NOW AND TO IDITY USED TO RESIDENT SAME PAR COTSTON MINING COMPANY UP NOW AND TO IDITY USED TO RESIDENT SAME PAR COTSTON OF THE SAME PARTY OF THE TOUGHT SEME WHO THE WAS TALK MAKE ABOUT, 15TH HOUSE ON LEFT UP HALL IN RIFE BR. US01998 9-21/2001 10:1957 WATER WELL REPLACEMENT, MRS. BISHOP CALLED 10-4-01 RE. US01998 10:50-61 COUNTY AND OLDALITY OF WELL WATER HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN OF THE HOUSE ON LOCK MAKEN ON LOC	U501986	8/19/2001 11:50:54	water has changed - has an oily film. Owen Hattleld is well owner - right	DELBARTON MINING COMPANY
US01996 \$21,2001 10.19.57 WATER WELL REPLACEMENT, MISS, BISHOP CALLED 104-01 RE. DELBARTON MINING. NOT HEARMOR PROMO DELBARTON MINING. 10.30-01 CUANTITY AND CUALITY OF WELL WATER. DECEASING, LEACH BED DON'T EINCTIONING PROPERLY. FAM ON WATER IN COMMODE & SHOWER COAL COMPANY SAMINED IN 1960. D'RELLC 10 RF TO EEP. SAME WELL FOR 20 YES, OR MORE; SAME EXIT OFF RT 19 AS PAT DAVIS CHANGE IN WATER OLD HIS OFF THE THE AS PAT DAVIS DELBARTON MINING COMPANY AND VERY COLD SKELL. 10.31-20 CUANTITY AND CUALITY OF WELL WATER HAS. DELBARTON MINING COMPANY AND VERY COLD SKELL. 10.31-20 CUANTITY AND CUALITY OF WELL WATER HAS. DELBARTON MINING COMPANY AND VERY COLD SKELL. 10.31-20 CUANTITY AND CUALITY OF WELL WATER HAS. DELBARTON MINING COMPANY AND VERY COLD SKELL. 10.31-20 CUANTITY AND CUALITY OF WELL WATER HAS. DELBARTON MINING COMPANY WELL WATER GUALITY AND CUALITY OF CUANTITY WITH WELL WATER GUALITY AND CUANTITY WITH WELL WATER GUALITY AND CUANTITY WITH WELL WATER RESIST NOW. LIVES ACROSS ROAD FROM CLD US01996 10.10-2001 15:00-14 AMP MICHONIAL BEPTEASED THAT HIS WATER LOSS MICHT SE ADDRESSED SINCE HIS PREVIXES SUPPLY WAS FROM WELL DIE SHANBED WITH HIS FATHER, WAYNE MICHONIALD SK CITIZEN ALSO HAD NUMBEROUS CUSTOMS AND CONCERNS ROAD TO US01996 10.17:2001 15:00-12 WATER CUALITY OF CUENTS AND CONCERNS ROAD TO LEONO US01996 10.17:2001 15:00-12 WATER CUALITY OF CUENTS AND CONCERNS ROAD ONE DELBARTON MINING COMPANY DET OWNS STORE ON GULMAND PRIVE AND THAS FOR WELL DIE SHANBED WITH HIS FATHER, WAYNE MICHONIALD SK CITIZEN 10.17:2001 15:00-12 WATER CUALITY OF STORE HAD BEEN HOOVED DO LEONO US01996 10.17:2001 15:00-12 WATER CUALITY OF STORE HAD BEEN HOOVED DO DELBARTON MINING COMPANY DELBARTON MINING COMPANY DELBARTON MINING COMPANY STRONG WERE AND TO STORE HAD BEEN HOOVED DO STEPPIS WELL WHO DOES NOT LIVE THERE SO DATED 7:26-01 AT 10:00 AND AN INVESTIGATION DATE OF 7:21-10-10. ON THE MIP- 20 ATTHE STORE OF THE DAVIS HOOVE WHEN IT SHOULD HAVE SAD AND STRONG WERE AND SHOULD HAVE SOON AND AN INVESTIGATION OF T	US01996	8-21/2001 10:13:03	QUANTITY OF WELL WATER IS DEGREASING, LEACH HED STOPS (UP NOW AND IT DIDN'T USED TO ARESIDENT SAID MR. DOTSON "WANTED TO LET SOMEONE TAKE A WATER SAMPLE BUT NOT SURE WHO HE WAS TALKING ABOUT. 1ST HOUSE ON LEFT UP	DELBARTON MINING COMPANY
US01996 10-32-201 13:00.11 FLM ON WATER IN COMMODE 8 SHOWER COAL COMPANY SAMINED TO 19 1990 D'ALLECTO BOF TO EEP SAME WELL FOR 20 193-20 190:00.10 10-32-20 190:00.10 1	U501998	9/21/2001 10:19:57	WATER WELL REPLACEMENT, MRS. BISHOP CALLED 10-4-01 RE. NOT HEARING FROM DELBARTON MINING 10-36-01 QUANTITY AND QUALITY OF WELL WATER	DELBARTON MINING COMPANY
AND VERY COD SMELL 103190 (JUNNITY AND CIJALITY OF WELL WATER HAS DIGHNISHED, PARTICLES IN WATER AND HAS A SMELL US01906 (10192001 1010018 NO PROBLEMS WITH WELL IN QUALITY OR QUANTITY WITH WELL WATER QUALITY AND CUANTITY WELL WATER RIGHT YOU. LIVES A CROSS PROAD FROM CLD SCHOOL HOUSE. US01906 (10192001 11:0018 NO PROBLEMS WITH WELL IN QUALITY OR QUANTITY WITH WELL WATER RIGHT YOU. LIVES A CROSS PROAD FROM CLD SCHOOL HOUSE. SHAPE OF WITH HIS FATHER WATER ADD HAS SO PROAD FROM CLD SCHOOL HOUSE. SHAPE OF WITH HIS FATHER WATER ADD HAS SO PROAD FROM WELL HE SHAPE OF WITH HIS FATHER WATER ADD HAS SO PROAD FROM WELL HE SHAPE OF WITH HIS FATHER WATER ADD HAS SO PROBLEMS ABOUT WATER HER ACEMENT FORCEY AND OTHER PHYSICAL AND DELBARTON MINING COMPANY WATER HER ACEMENT FORCEY AND THE STATE ARE NOW DITY OWNS STORE ON QUALMAN DRIVE HAD THOW WELL STATE ARE NOW DITY OWNS STORE ON QUALMAN DRIVE AND LEASES IT LIVES IN HOUSE ON QUALMAN DRIVE AND THE STORE HAD DEED HOOKED UP ON SISTER'S WELL WHO COES NOT LIVE THERE. US01906 (10192001 09:4520 THIS IS TO COPRECT A MATERIAL CONTROL OF THE JUNC HIS LIVES AND HAS SOOD ON STERING WELL WHO COES NOT LIVE THERE. US01906 (102220001 09:4520 THIS IS TO COPRECT A MATERIAL CONTROL OF THE JUNC HIS LIVES IN HIS COMPANY STORIC WIGHTON THAT THE MEASTS MATERIAL WATER ADD THE STORE HAD BEEN HOOKED UP ON STRONG WIGHTON THAT THE MEASTS MATERIAL WATER STRONG WIGHTON THAT THE MEASTS MATERIAL WATER STRONG WIGHTON THAT THE MEASTS MATERIAL WATER STRONG WIGHTON THAT THE MEASTS MATERIAL WATER US01906 (102220001 09:0527 HAS CRACKS IN CROCKES AND DOORS AND CORPS. THE DELBARTON MINING COMPANY STRONG WIGHTON THAT THE CAPACITOR OF THE THING THE MIGHT US01906 (102220001 10:00.07) THE STORE WELL AND THINGS THE MIGHT SCHOOL THAT THE CALLED THINGS THE MIGHT SCHOOL THAT THE CALLED THINGS THE MIGHT SCHOOL THAT THE CALLED THE ADD THE THAT THE MEAST WATER AND NEVER CHARGES OF SUBSISENCE CRACKS ON STRONG WIGHT AND THE CLOTHES. US01906 (10:00.07) THE STRONG WIGH AND THAT SO THE THAT THE COTTER AND THE THAT THE MEAST AND TH	U501886		FILM ON WATER IN COMMODE & SHOWER, GOAL COMPANY SAMPLED IN 1999. DRILLED 105 FT. DEEP; SAME WELL FOR 20 YPS, OR MORE; SAME EXIT OFF RT 119 AS PAT DAVIS	
US01996 109:2001 109:24:81 WELL WATER QUALITY AND QUANTITY US01996 1019:2001 11:00:18 NO PROBLEMS WITH WELL NO QUALITY OR QUANTITY WITH US01996 1019:2001 15:00:14 (AR MCCONALD EXPRESSED THAT HIS WATER LOSS MIGHT BE ADDRESSED SINCE HIS PREVIOUS SUPPLY WAS FROM WELL HE SHARED WITH HIS FATHER, WATHE MCCONALD BR CITIZEN ALSO HAD NUMEROUS QUESTIONS AND CONCERNS ABOUT WATER REPLACEMENT POLICY AND OTHER PHYSICAL AND ECON US01996 10-117:2001 15:00:17 (LIVES OR QUALITY GETTING WORSE; RED AND HAS GOOD DELBARTON MINING COMPANY UR01996 10-117:2001 15:00:17 (LIVES OR QUALITY GETTING WORSE; RED AND HAS GOOD DELBARTON MINING COMPANY ONLY OWNS STORE ON QUALITY GETTING WORSE RED AND HAS GOOD US01996 10-13:2001 05:45:20 THIS IS TO COPRECT A MISTAKE ON THE MRS-SD ATED 7-26-01 AT 10:00 AND AN INVESTIGATION DATE OF 12-11-01, ON THE MRS- STATISCHMENT ISTATICE THAT THE TWO AND EXTENSION MINING COMPANY STORE OF THE DAVIS HOME WHEN IT SHOULD HAVE SHOULD FEET WEST OF THE DAVIS HOME WHEN IT SHOULD HAVE SHOULD FEET WEST OF THE DAVIS HOME WHEN IT SHOULD HAVE US01996 10-22:20001 10:00:27 PM SINGNOW US01996 10-22:20001 10:00:27 PM SINGNOW US01996 10-22:20001 10:00:27 PM SINGNOW US01996 10-22:20001 10:00:27 PM SINGNOW US01996 10-22:20001 10:00:27 PM SINGNOW US01996 10-22:20001 10:00:27 PM SINGNOW US01996 10-22:20001 10:00:27 PM SINGNOW US01996 10-22:20001 10:00:27 PM SINGNOW US01996 10-22:20001 10:00:27 PM SINGNOW US01996 10-22:20001 10:00:27 PM SINGNOW US01996 10-22:20001 10:00:27 PM SINGNOW US01996 10-20:20001 10:00:28 PM SINGNOW US01996 10-20:20001 10:00:29 PM MINING US01996 10-20:20001 10:00:20 PM SINGNOW US01996 10-20:20001 10:00:20 PM SINGNOW US01996 10-20:20001 10:00:20 PM SINGNOW US01996 10-20:20001 10:00:20 PM SINGNOW US01996 10-20:20001 10:00:20 PM SINGNOW US01996 10-20:20001 10:00:20 PM SINGNOW US01996 10-20:20001 10:00:20 PM SINGNOW US01996 10-20:20001 10:00:20 PM SINGNOW US01996 10-20:20001 10:00:20 PM SINGNOW US01996 10-20:20001 10:00:20 PM SINGNOW US01996 10-20:20001 10:00:20 PM SINGNOW US01996 10-20:20001 10:00:20 PM SINGNOW U	U501996	19/3/2001 09:09:10	AND VERY ODD SMELL. 10-31-01 QUANTITY AND QUALITY OF WELL WATER HAS	DELBARTON MINING COMPANY
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DITY OWNS STORE ON GILLMAN DRIVE AND LEASES IT. LIVES IN HOUSE ON UPPER SED OF STORE, HAD BEEN HOOKED UP ON SISTERIS WELL WHO DOES NOT LIVE THERE. 10-19-2001 09:43-20 THIS IS TO COPINET A THAT AND ANTE OF 19-11-91. ON THE MIP-35 ATTACHMENT IS TATED THAT THE MEARING MARS 16-20 FEET EAST OF THE DAVIS HOUSE WHEN IT SHOULD HAVE SAID 19:09 FEET WEST. 10-22/2001 09:43-27 HAS CRACKS IN CRIDERBLOCKS AND DOORS ARE OFFSET. HAD DELBARTON MINING COMPANY STRONG WIREATONS ON 10-8-01 AND BILEVES ROCKFALL. 10-22/2001 11:210 HAS CRACKS IN CRIDERBLOCKS AND DOORS ARE OFFSET. HAD DELBARTON MINING COMPANY STRONG WIREATONS ON 10-8-01 AND BILEVES ROCKFALL. 10-23/2001 11:210 HAS SLACK PARTICLES IN WELL AND THINKS IT MIGHT BE CAUSED BY MINING. 11:7201 HAS BLACK PARTICLES IN WELL AND THINKS IT MIGHT BE CAUSED BY MINING. 11:7201 HAS BLACK PARTICLES IN WELL AND THINKS IT MIGHT SOPEWALK HAS BEEN THERE APPROXIMATELY 30 YEARS AND NEVER CHACKED HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE ALSO STATED HE BUT CHIRMLY AROUT 15 YEARS AGO AND NEVER CHACKED. HE THE THE COTHES BUT WORSE AND WOULD LIKE IT DELBARTON MINING COMPANY WITH 10 YEARS AND WOULD LIKE IT DELBARTON MINING COMPANY 10-11 YEARS AGO AND NEVER CHACKED.				
AT 1090 AND AN INVESTIGATION DATE OF 12-11-01. ON THE MIP- 35 ATTACHMENT I STATE D'THAT THE NEAREST MINION WAS 1600 FEET EAST OF THE DAVIS HOME WHEN IT SHOULD HAVE SAID 1600 FEET WEST. 10-22/2001 09:05 77 HAS CRACKS IN CRIDERIS CKS AND DOORS ARE OFFSET. HAD DELBARTON MINING COMPANY STRONG WIBARTIONS ON 10-8-01 AND BELIEVES ROCKFAIL. US01996 10-22/2001 11:2101 HAS BLACK PARTICLES IN WELL AND THINKS IT MIGHT BE CAUSED BY KINING. 11:2501 HAS BLACK PARTICLES IN WELL AND THINKS IT MIGHT BE CAUSED BY MINING. US01996 10-26/2001 10:00.02 FESSIOLE TO SUBSIDENCE CRACKS ON SIEGLAND BY MINING. FESSIOLE THE REPORT OF SUBSIDENCE CRACKS ON SIEGLAND HAS BLACK PARTICLES IN WELL AND THINKS IT MIGHT BE CAUSED BY MINING. US01996 10-26/2001 10:00.02 FESSIOLE THE REPORT OF SUBSIDENCE CRACKS ON SIEGLAND HAVE AND THE COMPANNY SIEGLAND FOR THE THAT SIEGLAND HAVE AND THE PROMISE OF THE PRO	L(601925	10:17:2001 15:03:17	DRY, OWNS STORE ON GILLMAN DRIVE AND LEASES IT. LIVES IN HOUSE ON UPPER SIDE OF STORE, HAD BEEN HOOKED UP ON	DELISARI ON MINING COMPANY
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CAUSED BY MINING. 11/2801 HAS BLACK PARTICLES IN WELL AND THINKS IT MIGHT BE CAUSED BY MINING. US91990 10-26:2091 10:00:02 [RESIDENT COMPANNED OF SUBSIDENCE CHACKS ON SIDE WAIK AND CHIRANEY OF SUBSIDENCE CHACKS ON SIDE WAIK AND CHIRANEY FLURE. HID CREDARD TOLD ME THAT SIDE WAIK AND CHIRANEY FLURE APPROXIMATELY 90 YEARS AND NEVER CHACKED. HE ALSO STATED HE BUILT CHIRANEY ABOUT 15 YEARS AGO AND NEVER HAD ANY PROBLEMS WITH FLUME. 11 US91990 10:00:2001 09:34:39 CHLORING IN THE CLOTHES. US91990 10:21:2001 09:30:34 CHLORING IN THE CLOTHES. US91990 10:21:2001 09:30:34 WELL WATER IS BAD LINES GOTTEN WORSE AND WOULD LIKE IT DELBARTON MINING COMPANY US91900 10:30:30 WELL WATER IS BAD LINES GOTTEN WORSE AND WOULD LIKE IT DELBARTON MINING COMPANY	U501996	19/22/2001 95:05:27	STRONG VIBRATIONS ON 10-8-01 AND BELIEVES ROCKFALL	DELBARTON MINING COMPANY
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EATING HOLES IN THE CLOTHES. US01996 19/31/2001 02/30/54 WELL WATER IS BAD, HAS GOTTEN WORSE AND WOULD LIKE IT DELBARTON MINING COMPANY.	U501926	10/26:2001 10:00:02	FRESIDENT COMPLAINED OF SUBSIDENCE CHACKS ON SIDEWALK AND CHAMBEY FLUNE. MID GEOLARD TOLD ME THAT SIDEWALK HAS BEEN THERE APPROXIMATELY 30 YEARS AND NEVER CRACKED. HE ALSO STATED HE BULT CHIMNEY ABOUT 15 YEARS AOO AND NEVER HAD ANY PROBLEMS WITH FLUME.	DELBARTON MINING COMPANY
	U501996	10/30/2001 09:54:39	EATING HOLES IN THE CLOTHES.	4
	U501996	19/31/2001 09:30:54		DELBARTON MINING COMPANY

U601896	10/31/2001 10:90:27	RESIDENT COMPLAINED WATER HAS A FOUL SMELL AND TASTE,	DELBARTON MINING COMPANY
		BLACK PARTICLES CAN ALSO BE SEEN ACCORDING TO	
	1	RESIDENT	{
	1	FOLLOW UP 12-28-01 BY JOHN FLESHER - WELL WATER HAS A	
	i	BAD ODOR AND BLACK PARTICLES, COMPLAINT PHONED IN BY	
	1	NEIGHBOR JANNIE DEMPSEY, MRS. DEM	
U501996	10/31/2001 10:00:30	RESIDENT COMPLAINED WATER HAS A FOUL SEMIL AND TASTE.	DELBARTON MINING COMPANY
000.20	1	BLACK PARTICLES CAN ALSO BE SEEN ACCORDING TO	
	1	RESIDENT	1
	1	FOLLOW UP 12-28-01 BY JOHN FLESHER - WELL WATER HAS A	
	1	BAD ODOR AND BLACK PARTICLES, COMPLAINT PHONED IN BY	
	1	NEIGHBOR JANNIE DEMPSEY	
U501996	11/2/2001 14:30:23	INTERIOR TRIM COMING LOOSE, LAMINATED FLOOR BUCKLING.	DELBARTON MINING COMPANY
	1	FOUNDATION CRACKED IN FRONT OF HOUSE (CINDERBLOCK)	
	1	NOTICED ABOUT A WEEK AGO, MAY BE CAUSED BY HARD	
	1	SHAKING 9-8-91 AT 8:00 P.M.	
	1	10-30-01 DAMAGE TO HOUSE: POSSIBLE CAUSE ROCK FALLS	a contract of the contract of
	1	CAUSING HARD SHAKING	i
US01995	11/9/2001 15:16:20		DELBARTON MINING COMPANY
U501998	11/6/2001 12:48:01		DELBARTON MINING COMPANY
U501996	11/7/2001 12:35:50		DELBARTON MINING COMPANY
		BEFORE HAS A WELL ON VACANT PROPERTY ACROSS THE	
	1	FIOAD AND WOULD LIKE IT CHECKED.	1
U501996	11/16/2001 12:39:02	WELL WATER QUALITY HAD A BAD ODOR AND BLACK	DELBARTON MINING COMPANY
		PARTICLES.	
U501998		WELL WATER QUALITY AND QUANTITY	DELBARTON MINING COMPANY
U501996		WELL WATER QUALITY AND QUANTITY	DELBARTON MINING COMPANY
U591996	12/18/2001 08:00:31	THIS IS TO CORRECT A MISTAKE ON THE MR-35 WITH A DATE OF	
	1	7-13-01 & 8:40 AND AN INVESTIGATION DATE OF 12-6-01. ON THE	1
	1	MFI-35 ATTACHMENT I STATED THAT MINING WAS	
	1	APPROXIMATELY 3000 FEET EAST OF THE HINKLE HOME WHEN	1
		IT SHOULD HAVE SAID 3000 FEET WEST.	The second of the second secon
U501996	12/19/2001 08:30:44	THIS IS TO CORRECT A MISTAKE ON THE MR-25 WITH A DATE OF	DELBARTON MINING COMPANY
1	1	8-26-01 AT 10:50 AND AN INVESTIGATION DATE OF 12-18-01. ON	1
	1	THE MA-35 ATTACHMENT I STATED THAT MINING WAS	į
	1	APPROXIMATELY 2800 FET EAST OF THE VANCE HOME WHEN IT	l
		SHOULD HAVE SAID 2800 FEET WEST.	
U501996	12/21/2001 19:30:36	WELL WENT DRY ON 12-13-01. THERE ARE TWO TRAILERS ON	DELBARTON MINING COMPANY
		ONE WELL; OTHER IS LISA KISER.	Lance of the second sec
U502298	6/25/2001 16:60:00	FORK CREEK MINING CO. USE TO COME MONTHLY TO SAMPLE	FORK GREEK MINING COMPANY
	1	HIS WELL, COMPANY HAS NOT SAMPLED FOR LAST TWO	!
	1	MONTHS.	Language and the second
U605391	1.00:2002 10:09:38		PINE RIDGE COAL CO
	1	PINE RIDGE COAL TO DEEP MINE #16.	1
U506057	8/14/3001 14:27:43	Complainant allegas he observed cost sturry in Gilbert Creek	HAMPDEN COAL CO INC

Recommendations for Pre-Mine Assessment of Selenium Hazards Associated With Coal Mining in West Virginia

prepared by

A. Dennis Lemly, Ph.D. Senior Scientist in Aquatic Toxicology

January 5, 2004

Background on Selenium

Selenium gained recognition among research scientists, regulatory authorities, and fisheries managers in the late 1970's when the landmark pollution episode took place at Belews Lake, North Carolina. Selenium released in the waste from a coal-fired power plant entered the lake, killed the fish community, and caused residual impacts for many years after selenium inputs were stopped (Cumbie and Van Horn 1978; Lemly 1985a, 1997a, 2002a). The primary lessons learned from Belews Lake were: (1) Even small increases in waterborne selenium can lead to devastating effects on aquatic life, and (2) Once selenium bioaccumulation in the aquatic food chain begins it is too late to intervene - pre-pollution assessment and management arc key to preventing impacts. The lessons from Belews Lake were instrumental in the development of USEPA's current national freshwater criterion for selenium (5 µg/L [micrograms per liter]). Since the Belews Lake episode, a tremendous amount of research on the toxicology, environmental cycling, and hazard assessment of sclenium has taken place (e.g., Frankenberger and Engberg 1998, Lemly 2002b). In addition to learning about its toxic potential, much information has been gained on the sources of selenium and how it reaches the aquatic environment, particularly with respect to coal mining and the coal industry (Lemly 1985b, 2004, Dreher and Finkelman 1992, Vance et al. 1998).

Need for Pre-Mine Assessment

The lessons from Belews Lake, supported by over two decades of research findings from many other locations throughout North America (Lemly 1997b, 1999, 2002b; Skorupa 1998a, Hamilton 2004), underscores the need to take a preventive approach to selenium pollution rather than attempting to deal with it after contamination has taken place. With respect to coal mining this means pre-mine assessment. Failure to adopt this approach can only worsen the selenium pollution and associated ecological risks that have emerged in West Virginia. Selenium-related violations of the federal Clean Water Act need not occur if careful pre-mine assessment is used to guide mine permit decisions. Clearly, much attention is focused on management and regulatory authorities in the state, and it is imperative that environmentally sound actions be taken in order to stem the escalating threat of widespread selenium pollution. Using pre-mine evaluation can safeguard natural resources by allowing site-specific risk assessment and risk management to take place. This is the prudent, environmentally responsible course of action.

Adopting this approach will benefit the state and the mining industry by demonstrating that all activities are being developed and implemented with the goal of preventing selenium pollution, thereby minimizing water quality issues that may lead to litigation by federal agencies and conservation groups.

Recommended Procedure

Geological assessment is the first step to understanding the environmental risk of sclenium at prospective coal mines. It is essential to determine selenium concentrations of coal and overburden that are to be moved because once these materials are exposed to air and precipitation they can leach substantial quantities of selenium (e.g., Davis and Boegly 1981, Heaton et al. 1982), which begins the mobilization process and threat to aquatic life. Because sclenium concentrations vary widely in coal and waste rock at a mine site (e.g., Heaton and Wagner 1983, Desborough et al. 1999), a thorough representation of the geographic area and depth of disturbance must be made. This entails making a minimum of one core drilling per 5 acres, extending into the coal bed that is to be extracted. Two samples (about 450 grams each) are taken from each core: one consisting of overburden material and one of the coal itself. Each sample is evaluated using a passive leaching test (see Heaton et al. 1982, Desborough et al. 1999). The first step is to crush the coarse sample with a hammer to produce approximately peasize or smaller material. The resultant material is mixed and some is put into a beaker with deionized water (pH 5.0-6.0) in a ratio of 1 part sample to 20 parts water (use 5-20 grams of sample and 100-400 milliliters of water). Let stand for 48 hours, decant and filter (0.45 micrometer mesh) the liquid, acidify it to pH <2.0, and analyze the liquid for selenium concentration using a method with a detection limit <1 µg/L (part-per-billion). The results of these tests will generate a spatial profile of sclenium mobility at the prospective mine site and allow a screening-level evaluation of hazards to aquatic life that an be used to guide subsequent assessment and regulatory decisions.

Evaluating Selenium Concentrations

The traditional approach to evaluate waterborne selenium concentrations is to compare them to the USEPA national freshwater criterion (5 µg/L). Concentrations exceeding the criterion should be viewed as posing unacceptable risk to aquatic life because of the likelihood

of bioaccumulation in the food chain. However, there is a growing body of scientific information which indicates that toxic impacts to aquatic life can occur when selenium levels reach 2 ug/L, particularly if the selenium is predominantly in the selenite form (which is the case for coal mine selenium), and the contaminated water enters a wetland, pond, reservoir, or other impoundment (Frankenberger and Engberg 1998, Skorupa 1998a, Hamilton and Lemly 1999. Lemly 2002b). Because of these findings, a value of 2 μg /L has been recommended by several selenium experts as the concentration limit necessary to protect fish and wildlife (Peterson and Nebeker 1992, Maier and Knight 1994, Skorupa 1998b, Hamilton and Lemly 1999, Lemly 2002b, Hamilton 2004), and USEPA has begun a review/revision process for their national freshwater criterion (USEPA 1998, Hamilton 2003). Moreover, based on broad experience dealing with a variety of sclenium contamination issues, including coal mining wastes, the U.S. Fish and Wildlife Service and a number of state water quality agencies have adopted a value of 2 ug/L as their management or regulatory standard (see Engberg et al. 1998, Skorupa 1998b, Hamilton and Lemly 1999). I recommend that 2 µg /L be adopted as the maximum acceptable concentration of selenium in wastewater, drainage, and leachate associated with coal mining activities in West Virginia.

Comprehensive Assessment

By examining the results of the leach tests and applying a 2 μg Se/L water quality objective, field sites whose disturbance by mining would pose a hazard to aquatic life can be quickly identified. If clear dangers are evident — i.e., leachate selenium concentrations exceed 2 $\mu g/L$ — then it is desirable to examine the operational characteristics of the proposed mine in the context of a 5-step comprehensive assessment that includes provisions for altering mine operations, establishing TMDLs for discharges and, in one scenario, not permitting the proposed mine to be developed at all (see page 5). This approach will allow site-specific hazard evaluation based on local hydrology and biological conditions, and provide a precise fine-tuning of the screening-level assessment generated by the leach tests. The methods used for hydrological, biological, and hazard assessment are techniques that have been field tested and published in the peer-reviewed literature (Lemly 2002b). Technical guidance is available for those unfamiliar with specific components of the procedure (email contact: dlemly@vt.edu).

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Comprehensive assessment will provide the information necessary for policy makers to reach environmentally sound, scientifically defensible decisions on mine permit applications.

PRE-MINE ASSESSMENT OF SELENIUM HAZARDS

1. GEOLOGICAL ASSESSMENT Selenium content of coal and overburden Leachate test Selenium mobility characterization 2. MINE OPERATION ASSESSMENT Waste disposal methods Waste volume projection Daily selenium load projection 3. HYDROLOGICAL ASSESSMENT Delineate and characterize Hydrological Unit (HU) Estimate selenium retention capacity of HU Projected selenium concentrations 4. BIOLOGICAL ASSESSMENT Aquatic life present in HU Sensitivity to selenium Priority species 5. HAZARD ASSESSMENT Determine hazard level of projected selenium concentrations High, moderate, or low hazard Minimal or no hazard Determine allowable selenium load (TMDL) Mining is permissible

♥
Environmental goals met

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Mining is permissible

Goals not met

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Mining is not permissible

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6

Identify mine operations needed to meet load

Evaluate feasibility of mine in meeting environmental goals

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---- Forwarded by David Rider/R3/USEPA/US on 01/23/2004 09:42 AM -----

Carol Stoddard <stochoel@shoplob To: R3 Mountaintop@EPA Subject: Comments on Mountaintop Mining 01/20/2004 04:53

The Garden Club of <?xml:namespace prefix = st1 ris = "urn:schemas-microsoft-comtoffice:smarttags" /> America 14 East 60th Street New York, NY 10022 <?xml:namespace.prefix = o.ns = "urn:schemas-microsoft-contoffice:office" />

Mr. John Forren U.S. EPA (3EA30) 1650 Arch Street Philadelphia, PA 19103

Dear Mr. Forren:

The members of the Conservation and National Affairs Committees of The Garden Club of America write to express their disappointment at the draft Environmental Impact Statement concerning the effects of mountaintop mining.

Our committees visited West Virginia five years ago and witnessed at close range the effects of mountaintop mining - we know that it has caused destruction or degradation of over seven hundred miles of streams, a clear violation of the Clean Water Act. And the destruction continues.

Instead of calling a half to this devastating practice, the current administration worsens it, by eliminating a surface mining rule that makes it illegal for mining activities to disturb areas within 100 feet of streams, unless it can be proven that these streams will not be harmed.

We implore you to investigate some afternatives to this continued destruction. Please do what you can to protect the natural resources in Appalachia, especially by restricting loss both of forest and streams.

The Garden Club of America, founded in 1930, is comprised of 195 clubs in 40 states, and has approximately 17,000 members. Among our purposes, is "To restore, improve and protect the quality of the environment through programs of conservation, civic improvement and education,

Sincerely yours, Carol S. Stoddard Marian W., Hill Chairman Chairman National Affairs & Legislation Committee Conservation Committee

January 16, 2004

REDBUD FAMILY HEALTH CENTER

P.O. BOX 950, HYDEN, KENTUCKY 41749 FAX (606) 672-6750

JEAN E. SULLIVAN, M.D. SR. MARY JOAN GRIPSHOVER, CFNP

August 8, 2003

Mr. John Forren USEPA - (3ES30) 1650 Arch Street Philedelphia, PA 19103

REC'D AUG 1 8 2010

Mr. Forren:

We are writing on behalf of our beautiful mountiens with their unparalleled hardwood forests. We would also like to protect our streems from the horrid mountain top removal which has been desecrating our area by filling in valleys with gravel. Not only that, but we will soon be a sterile gravel bed, with no uplifting scenery, great loss of plants and no decent homes for birds and animals.

We don't need any more of these gressy tops. We have too many which have not found any wothwhile use. It is most frightening to fly over the Appelachians now and see gravel pit after gravel pit. There is no reason coal maning cannot be conducted without protecting our stream beds and it soon will be all over, as seams are exhausted. We will have no attractions left for tourists here when the mountain sides has been completely scraped off. Also, mining interferes with our residents yards, gardens, homes, water supplies and graveyards in a serious way.

Please help us!

js/df

Jean Sullivan, M.D. Sr. M. Joan Gripshover Sr. Kathazine Donohue Della Adams

Befty Baker Donna Fields

A-725

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---- Forwarded by David Rider/R3/USEPA/US on 01/08/2004 11:30 AM -----

Mwtidwell@aol.com

To: R3 Mountaintop@EPA

01/06/2004 06:05 cc:

01/1/01/2004 00:00

Subject: DEIS for mountaintop mining is completely

flawed/comments enclosed

(Embedded image moved to file: pic13985.jpg) January 6th, 2004

Mike Tidwell Director Chesapeake Climate Action Network P.O. Box 11138 Takoma Park, Md. 20912

John Forren U.S. EPA (3EA30) 1650 Arch Street Philadelphia, PA 19103

Dear Mr. Forren,

I am writing on behalf of CCAN's 5,000 Maryland supporters to urge a re-write of the mountaintop mining DEIS because of major defects in the DEIS. I urge the immediate termination of the issuance of new mountaintop mining permits until an EIS is completed and adopted, as required by NEPA.

The EIS process has been usurped and its scientific underpinnings destroyed by Interior Deputy Secretary Grites order to remove all environmental alternatives from the DEIS. There is no other federally permitted land use occurring in the U.S. with such devastating consequences as the massive and permanent impacts from the projected loss of over 380,000 acres of high-quality forest to mountain top removal and valley fill coal mining in Tennessee, West Virginia, Virginia, and Kentucky. This forest destruction and concomitant valley fill is the greatest federally permitted land use alteration occurring in the United States. The projected destruction is detailed in the draft EIS and would occur over the next ten years. The impact on avian species, other wildlife and fish, and the entire ecosystem at risk is enormous.

The Army Corps of Engineers has continued to issue mountain top removal/vafley fill Clean Water Act permits for mountain top coal mining, despite the failure to complete an EIS. In Tennessee alone, permits by the Army COE have been issued for the removal and fill of over 5.000 acres of mountain tops in the last year.

We believe that NEPA requires such a moratorium on permits as the environmental impacts are so massive from the projected removal of 380,000 acres of mature deciduous forest on mountain tops and the placement of fill in stream valleys. Further, the Clean Water Act dictates individual permits should be required for such major actions and thus, the current use of nationwide permits is illegal.

The DEIS is so defective that it fails to substantively discuss the significant impacts on the entire suite of forest-dependent birds within the EIS study area e.g., Cerulean Warbler, Louisiana Waterthrush, Worm-eating Warbler, Kentucky Warbler, Wood Thrush, and Yellow-throated Vireo. All of these bird species are also classified as Birds of Conservation Concern by the U. S. Fish and Wildlife Service within the Appalachian Bird Conservation Region, which overlaps the area considered in the draft EIS. The destruction of the 380,000 acres will result in a loss of 137,836 Cerulean Warblers (ESA listing petition pending) in the next decade

The U.S. Fish and Wildlife Service's September 20, 2002 memo clearly supports our conclusion that the draft EIS is fatally flawed. The FWS warned in the memo that publication of the draft EIS as written, "will further damage the credibility of the agencies involved." That inter-agency memo cites the proposed actions offering "only meager environmental benefits" and criticizes the draft EIS because it did not consider any options that would actually limit the area mined and the streams buried by valley fills. "There is no difference between [the alternatives]." the Fish and Wildlife officials said. "The reader is left wondering what genuine actions, if any, the agencies are actually proposing." The draft EIS erroneously only offers alternatives that would streamline the permitting process for approval of new mountaintop-removal permits. The alternatives, including the preferred alternative. offer no environmental protections and the lack of any such environmentally sound options destroys the NEPA EIS process.

The FWS memo argued for "at least one alternative to restrict, or otherwise constrain, most valley fills to ephemeral stream reaches...As we have stated repeatedly, it is the service's position that the three 'action' alternatives, as currently written, cannot be interpreted as ensuring any improved environmental protection ... let alone protection that can be quantified or even estimated in advance."

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I urge that the permitting of mountain top removal/valley fill cease pending the re-writing of the DEIS and the completion of the EIS process. This is necessary to prevent this ecological disaster.

Sincerety,
Mike Tidwell
301-920-1633
mwtidwell@aol.com
www.chesapeakeclimate.org

Statement of United Mine Workers of America on Mountaintop Removal

Since several reports have appeared in the media over the years that incompletely or inaccurately indicate the position of the UMWA with regard to mountaintop removal mining, I believe it would be helpful for me to briefly outline our position. The UMWA believes that strong protection for our environment is essential. As we have pointed out many times, our membership lives in the communities in which mining takes place and believes strongly that we have a duty to future generations to protect that environment. At the same time, we make no apologies for seeking to promote the jobs available in the mining and related industries. After all, these jobs average more than \$50,000 per year plus benefits including retiree health care and pensions. West Virginia is already 49th in the per capita income. We surely do not want to drive ourselves into an even more negative position.

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Unfortunately, the debate has often been between two extreme

positions – one calling for the abolition of coal mining and the other decrying

any type of restrictions on mining companies as they damage peoples' houses

and degrade local streams. We do not agree with either of these extreme views.

Some critics have suggested that the UMWA is only interested in the protection of our members' jobs when they work on mountaintop removal sites. Make no mistake, that is important to us. As this statement of policy makes clear, however, we believe that this criticism is unfounded since we also believe in strong environmental and community protections. We do believe that jobs provided in coal mining are worth fighting for and preserving. This is particularly true in our economy in which service sector jobs are often very low paying and without benefits. We are proud of our support for such jobs.

At the same time, we support strong regulatory efforts to protect the water resources of our communities and we also believe that families living in these communities should be protected against blasting debris and the degradation of their communities. We believe that coal companies should be held to a high standard of environmental protection and that the state and federal officials entrusted with that enforcement have on many occasions not sufficiently protected our communities.

The UMWA strongly believes that coal companies should not be permitted to destroy local communities in the process of mountaintop removal mining, including by blasting. Community residents with homes and farms should be protected from the consequences of such damage.

Under current law, a homeowner can pursue a damage claim in circuit court. The practical problem is the cost of hiring attorneys and the litigation costs in hiring expert witnesses.

The UWMA believes that there should be additional legal protections to ensure that blasting damage can be easily and completely compensated by coal companies. We suggest a statutory change so that blasting law would be made similar to a provision in state oil and gas law. Under that law, any damage to water supplies caused within 1,000 feet of a gas well is presumed to result from the drilling and operation of the gas well. We likewise suggest that with regard to any property within one mile radius of a blast, there should be a reputable presumption that the blast caused any property damage. This provision, coupled with the present law that a community member may require the company to do a pre-blasting survey, should make the payment of appropriate damages far more practical. This should lead, as it does in the oil

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and gas area, to the quick resolution of claims and a more fair protection of community rights.

We also believe that the many sites throughout West Virginia with historical significance, such as the historic portions of Blair Mountain and the Stanley family farm on Kayford Mountain, must be preserved and thus should be off limits for mining.

10-2-2

The coal industry remains "a mainstay of the Mountain State economy." Coal and coal burning utilities account for nearly 60% of the state's business tax revenue, and state business taxes paid by coal companies rose more than 35% between 1985 and 1996, at a time when the price of a ton of West Virginia coal dropped by 26%. West Virginia coal companies employ more than 14,000 miners directly, and using economic multipliers employed by the federal government, the industry accounts for more than 40,000 additional jobs. In much of southern West Virginia and in portions of northern West Virginia, the impact is particularly pronounced. In Boone County, for example, almost half of the workforce is employed in the coal industry. In the coal counties of this state, over 10% of all jobs are directly linked to coal mining. Thus, it is not only in the interests of our membership,

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but in the broader interests of the citizenry of this state that these issues be resolved in an equitable and timely manner. This Union has a proud history of working not only in the interests of its own members, but on behalf of all working people and the communities they live in. We fully intend to uphold that tradition.



Chartes R. Wakild, PE

Mr. John Forren U. S. EPA (3ES30) 1650 Arch Street Philadelphia, PA 19103

Via email at mountaintop.r3@epa.gov

RE: Draft Programmatic Environmental Impact Statement Mountaintop Mining/Valley Fills in Appalachia EPA 9-03-R-00013

Dear Mr. Forren:

Progress Energy Service Company, LLC is submitting the following comments on behalf of Progress Fuels Corporation. Progress Fuels Corporation currently owns and operates one surface and seven underground coal mines in eastern Kentucky and western Virginia, with average annual production of approximately 2.6 million tons, that would be impacted by the ElS and any proposed regulatory alternatives. In addition, Progress Fuels owns and operates five coal terminals in West Virginia and Kentucky that would also be affected by the final document and any subsequent regulatory changes.

Progress Fuels supports the stated purpose of the Environmental Impact Statement (EIS) "to consider developing agency policies, guidance, and coordinated agency decision-making processes to minimize, to the maximum extent practicable, the adverse environmental effects" of mountaintop mining and valley fills. Progress Fuels also appreciates the agencies' acknowledgement the economic value that coal mining brings to the Appalachia region and the country. It is this value which requires all of us, in partnership, to consider all factors (environmental, economic, and administrative) when considering implementing new or amended programmatic actions. We must recognize the nation's need for reliable energy sources and how mining of the Appalachia region's coal is an integral component of fulfilling this need. Clearly a great deal of effort has been expended on this document, and progress made toward resolution of many identified issues related to surface mining and related valley fills. We commend the agency for likewise identifying several deficiencies in the environmental impact studies and acknowledging the need to answer outstanding questions before regulatory programs changes are implemented.

General

Progress Fuels supports Action Alternative 3 as described in the draft report. It is clear that the timeliness of the permitting process can be improved by streamlining of the application preparation effort, and uniform and consistent application of design criteria and mitigation and other compensatory measures. Under this alternative, the federal agencies would develop a coordinated permit application and review process based on requirements of the Surface Mining Control and Reclamation Act (SMCRA) permit. The Corps of Engineers, using the CWA section 404 nationwide permit program, would base authorizations on the SMCRA agency review of surface coal mining activities. States would be encouraged to assume 404 permitting activities for surface mining through a State Programmatic General Permit. The 404 individual permit process only would be initiated if information in the application is inadequate (data collection, mitigation, alternatives analysis).

Economic Impact

While the draft report acknowledges the value and benefits of the coal industry in this region, it does not adequately evaluate the value Appalachian coal brings in light of increasingly complex environmental regulation. This region's coal supplies the fuel for a significant amount of the nation's energy supply. Much of the coal provided by surface mines is lower in sulfur and higher in heat content than other alternatives, and is therefore a vital part of environmentally viable energy strategy. It may also be the source of choice as new mercury standards come into effect. Although Powder River Basin coal may be lower in mercury, other constituents may interfere with the ability of emission controls to reach lower mercury emission levels. These issues are currently being evaluated in the scientific literature, but it is for these current and future reasons we must preserve the ability to economically mine Appalachian coal. In order for the industry to provide this valuable resource, it needs clearly defined rules consistently applied so they can plan and invest in economic operations.

In that soil and rock must be moved to create a level area, and some fill placed in the only economically available areas, which may include streams, mining is not unlike many other economic development activities, including road construction. In many areas in this region, significant commercial, residential, and industrial development is only possible because the prior creation of level areas by surface mining.

Aquatic Resources Impact

The studies of water quality downstream of valley fills inappropriately conclude that valley fills consistently cause or contribute to levels of some parameters that exceed water quality standards or criteria. The report correctly acknowledges that the referenced studies, due to study design, resources, or implementation, did not adequately investigate and account for other factors that affect water quality, such as other dischargers (including unpermitted domestic wastes), local geology and topography,

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distance from the fills, age of the fills, and others. Additional studies are necessary prior to making such a conclusion to account for all relevant factors and insure that corrective measures in mining permits, if any, are appropriate and effective. The agencies also should consider a flexible use of funds provided by permittees for mitigation of stream losses from fill construction. It may be more beneficial for the overall water quality if. instead of stream restoration, some of the funds are used to correct other man-made impacts, i.e., illegal domestic waste outfalls.

Selenium in particular was identified as a parameter of concern regarding water quality standards downstream of existing fills. We cannot at this point agree with that concern for the following reasons. Water quality standards, especially for metals and metalloids. are usually based on total concentration, and do not distinguish between particulate or dissolved concentrations, or speciation of the element. The species of selenium in solution impacts its toxicity and its true environmental impact. In addition, the size and type of stream and organisms also will dramatically affect the toxic effects. It is important that organisms found in the examined environment be used to assess toxic effects; states usually use a very limited variety of toxicity reference organisms, and these may not include any found in first or second order headwater streams usually downstream of valley fills. For these reasons, a simple comparison to water quality standards is inadequate. Design standards for valley fills must be based on true environmental impact and consideration of cost relative to benefit. Additional work is needed to support this issue prior to determination of any negative selenium environmental impact.

The report found that in general the flood frequency and severity downstream were no worse than before the fills were constructed. That is due to the careful design and construction of mine fills with due consideration of hydrologic characteristics. Most recent examples of flooding downstream of mines used by opponents of surface mines are anecdotal in nature, unscientific, and do not account for unusually heavy rainfall events that have occurred in recent years.

Others

We concur with the comments of the West Virginia and Kentucky Coal Associations and the National Mining Association and support their efforts to work toward consensus

We appreciate the opportunity to submit these comments and participate in the development of this important document. If there are any questions, please let me know

Charles R. Wakild

Forwarded by David Rider/R3/USEPA/US on 01/08/2004 10:51 AM ----

Jason Wandling <iwandling@calwel</pre> mo. llaw.com> Subject: re: MTR EIS Comment

R3 MountaintonGEPA

01/05/2004 11:17

To Whom it May Concern:

Please find attached the comment of the Charleston, West Virginia, chapter of the National Lawvers Guild re: Mountaintop Removal Mining EIS.

Sincerely. J. Wandling

The Charleston, West Virginia, chapter of the National Lawyers Guild (WVNLG) urges this Panel to reject every Action Alternative outlined in the Draft Programmatic Environmental Impact Statement (Draft EIS). We ask that you instead adopt a policy that would more accurately reflect the true goals of the Clean Water Act, the National Environmental Policy Act, and the very will of the people you are bound to serve by barring all mountaintop removal mining (MTR).

WVNLG strongly disapproves of this Panel's Draft EIS. The Draft EIS is no more than a rubber stamp for the interests of the coal industry of West Virginia and the nation. We disapprove for three reasons.

First, this Panel was charged to review the costs and benefits of MTR. Instead, you have disregarded your mandate. As noted by Ken Ward, Jr. in the Charleston Gazette "Initially, the goal of the study was to consider new rules that would 'minimize the potential for adverse' impacts from mountaintop removal. But once the Bush administration took office. Deputy Interior Secretary Steven Griles — a former mining lobbyist — changed the focus toward streamlining the permit process for coal operations." Charleston Gazette, July 25, 2003. This Draft EIS, then, is nothing more than a perversion of a good faith settlement entered into as part of the Bragg v. Robertson litigation.

In fact, and to our great surprise, this Panel proposes Action Alternatives less strict than regulations already in place. It is a slap in the face of the people of the coalfields to be asked to accept a lesser standard when, as Judge Haden wrote in 1999, "The Director [of the West Virginia Department of Environmental Protection] and his agents consistently admit that he [sic]

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¹ The National Lawyers Guild is an association dedicated to the need for basic change in the structure of our political and economic system. We seek to unite the lawyers, law students, legal workers, and jailhouse lawyers of America in an organization that functions as an effective political and social force in the service of the people, to the end that human rights shall be regarded as more sacred than property interests.

made none of the required findings, on through six, for buffer zone variances when authorizing valley fills." At 647. This Panel's reasoning mirrors that of the recent West Virginia Legislature and soon-to-be-former Governor Wise regarding overweight coal trucks: if someone is breaking the law we should make their activity legal. Unless, of course, first-time, non-violent drug offenders are at issue. In that case mandatory minimum jail sentences are imposed.²

The second reason WVNLG disapproves of this Panel's Drat EIS is because it swallows hook, line, and sinker the coal industry's propaganda concerning the economics of MTR. Instead of making an investigation, this Panels' Draft EIS simply parrots the West Virginia Coal Association's line. For example, a recent West Virginia Geological and Economic Survey (WVGES) report stated:

"If the practice of mountaintop removal mining is disallowed or curtailed, the production from these operations will not be replaced with underground mining production in the short and very likely not in the long term. As mentioned above, coal beds in the target area interval (the Kanawha Formation and/or Block Zones five, six, and seven) are frequently split into numerous benches separated by inorganic partings of highly variable thickness. Only some of these benches are economically mineable by underground methods. In mountaintop removal mining, many, if not all of the coal benches are recovered, representing a more efficient recovery of the resource."

"A Geological Overview of Mountaintop Removal Mining in West Virginia," published by the WVGES page 2.

Put into layman's terms (as so little of this exercise in appeasement has been), coal in southern West Virginia has become too expensive to mine in any reasonable manner. Therefore, the industry reasons, coalfield residents should simply shut up and endure an ever-diminishing quality of life, including, among other things, constant blasting from nearby mines, incalculable amounts of coal dust in their homes, and irreversible environmental damage in their very backyards. The cost of cheap, American energy (according to Vice President Dick Cheney and his industry-controlled Energy Task Force) is a native population debased for the sake of others living well afield from the source of energy production. What moral system demands such sacrifice from an already disadvantaged population?

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The coal industry's adoption of such terms as "economical recovery" belie its underpinning motivation: the need to make a lot of money and the lack of concern about who suffers for its egregious profit. For that reason alone, this Panel should punish the coal industry's injurious avarice by ending MTR altogether.

Despite the conventional wisdom that all of southern West Virginia's economy depends solely on the energy industry. Coal mining has not, for a very long time now, provided much true sustenance for the citizens of the coalfields in which the method is practiced. A great number of the ever-shrinking population of coal miners come from areas in Kentucky and Ohio, often driving great distances to find employment in West Virginia mines or setting only temporary residence in the coalfields. Furthermore, the secondary businesses which depend on coal mining revenue are, despite the most optimistic government and industry estimates to the contrary, spread far and few between. A drive through any coalfield community will quickly dissuade any neutral observer otherwise.

WVNLG objects for a third reason: the Draft EIS will encourage further lawless behavior in the coal industry. It cares little for ANY law, not just technical stream buffer regulations. For example, Don Blankenship, president of Massey Energy, recently testified before a West Virginia Legislature subcommittee charged with investigating coal truck weight limits. When confronted with the lamentable new law allowing coal truck to run up to 120,000 pounds (up from the rarely enforced standard of 80,000 pounds). Blankenship showed typical disregard for the safety of coalfield residents, saying "The truth of the matter is, the industry has been allowed through common law, if you will, to haul 140 [thousand pounds] to 160 [thousand pounds].

If this Panel approves any new permitting process under the proposed Action Alternatives, WVNLG predicts, that it will not be long before Blankenship or West Virginia

abide, to recognize that tipping point.

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² To ill effect. See, for example, United States Attorney General John Ashcroft's new push to monitor and investigate federal judges who impose lighter sentences than those established by mandatory minimum sentencing guidelines for first-time offenders.

Actually, the history of the United States is replete with such examples, from the callous disregard for the citizenry of Michigan (abandoned by an auto manufacturing industry that preferred cheap foreign labor and nonexistent environmental regulations over healthy communities here at home; so much for the current, voguish patriotism), the well-documented but still disregarded plight of the American Native Indian (who inhabited the Appalachians before their near externmination and ultimate forced removal); and, in a very relevant example, the Appalachians setters who were displaced by the rampant forest fires and floods created by the first Appalachian timber boom in the preceding contury (today's second wave of logging contributes to today's environmental and social), among other examples. The question is begged: where does American industry stop its ravenous drive for profit while it very knowingly lays waste to American citizens and culture? At what point will industry reflect and consider the effects of its insatiable greed? Never, is the WVNLG's answer, because the legal fiction of the "corporation" only recognizes capital gain, in its most brute sense, and only stops when a powerful citizeary demands consideration. Your writers draw that line at this crists, and this Panel is obligated to recognize, via the social contract by which most of us

⁴ This vulgar drive has not always been so deified. Albert O. Hirschman, of Princeton University and editor of The Passions and the Interests, a survey of the rise of commercial capitalism from the Middle Ages to today and must reading especially for those who consider contemporary commercial lust an a priori virtue, mused in his introduction: "How did commercial, banking, and similar money-making pursuits become honorable at some point in the modern age after having stood condemned or despised as greed, love of lucre, and avarice for centuries past?" Introduction to The Passions and the Interests, page 3 (Princeton, 1977).

Surely, if coal industry executive were truly as concerned about free market economics, they would be forced to recognize that if secondary economies were negatively impacted by the sudden end (and unlikely, given this Panel's politicized findings) of MTR then the "market" would demand that those businesses expire or thrive, with or without the aid of coal dollars in the coalfield chies.

⁶ Blankenship's logic fails entirely. Whatever his conception of the "common law," it certainly bears no relation to the body of judicial opinion that makes up a great deal of American law. Interestingly, Blankenship makes reference to the American common law when its purpose suits him. Otherwise, any use of the tort system to effectuate public policy constitutes "frivolous litigation." For example, in the coal industry's opposition brief to lawsnits filed against various coal companies, including Massey Energy and its subsidiaries, for damages caused by the flooding of 2001, industry attorneys wrote, "file plaintiffs] argue that, despite almost two hundred years of mining within the state, the courts should now, through judicial flat, ban all such activity as "inappropriate" based on a "policy" never considered, much less adopted, by the citizens of West Virginia, cither through a constitutional amendment or indirectly through their elected representatives." The Coal Industry's Supplemental Memorandum in opposition to Plaintiffs' "Legal Theories of Liability," filed in Raleigh County In Re: Flood Litigation, Civil Action Number 02-C-797. Such backhandedness simply reinforces the fact that the coal industry needs to be more tightly regulated, not deregulated as this Panel's Action Alternatives suggest.

Coal Association President Bill Raney suggests "We're breaking the law anyway so why don't we change the law again to reflect our current practices?" Such brazen and stultifying logic could easily be played out in any number of arenas. For instance "Well, I kill people now so the penal code forbidding such conduct should reflect the ultimate realities of my habit and ease." How patently absurd! Unfortunately, this panel has adopted, wholesale, such spoiled logic at the spurning of a corrupt and deceifful administration.

The residents of the coalfield communities are forced to resign themselves to something of the ethic embodied in this Charles Simic poem:

"Cameo Appearance"

I had a small, nonspeaking part In a bloody epic. I was one of the Bombed and fleeting humanity. In the distance our great leader Crowed like a rooster from a balcony. Or was it a great actor Impersonating our great leader?

That's me there, I said to the kiddies. I'm squeezed between the man With two bandaged hands raised And the old woman with her mouth open As if she were showing us a tooth

That hurt badly. The hundred times I rewound the tape, not once Could they catch sight of me In that huge gray crowd.

That was like any other gray crowd.

Trot off to bed, I said finally.
I know I was there. One take
Is alt they had time for.
We ran, and the planes grazed our hair.
And then they were no more
As we stood dazed in the burning city.
But, of course, they didn't film that.

If only this Panel could at least pretend that coalfield residents were not so insignificant in the face of the coal industry's all-consuming, avaricious capitalism.

Accordingly, the Charleston, West Virginia, Chapter of the National Lawyers Guild urges this panel go back to the table, and realistically address the destruction of Appalachia caused by mountaintop removal mining and strictly enforce the long-standing provisions and policies of the Clean Water Act, the National Environmental Policy Act, and basic compassion and utilize common sense by bringing MTR to a halt.

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Jason Eric Wandling

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